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# STSC

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## Reengineering

### Technology Report

Volume 2  
April 1995

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## Preface

## **Preface**

The purpose of this report is to increase contact, awareness, and understanding of software reengineering tools. Use of this report should be the first step in transferring effective software reengineering processes, methods, and tools into practical use. The targets of this report are organizations responsible for the development and maintenance of computer software. It includes information about specific products in the marketplace. The information is aimed at those who must make the decisions about acquiring advanced technology and prepare their organizations to use it effectively.



# Table of Contents

Preface .....	iii
1 Volume 2 Information .....	2
1.1 Introduction .....	2
1.2 Appendix A: Reengineering Products List .....	3
1.3 Appendix B: Product Sheets .....	4
1.4 A Taxonomy of Reengineering Terms, Tool Types, and Strategies .....	4
1.5 Summary .....	7
Appendix A: Reengineering Products Lists .....	A-1
Appendix A.1: Reengineering Products List by Type .....	A-2
Appendix A.2: Reengineering Products List by Name .....	A-8
Appendix A.3: Reengineering Products List by Vendor .....	A-31
Appendix B: Product Sheets .....	B-1

# 1 Volume 2 Information

## Outline

- 1.1 Introduction
- 1.2 Appendix A: Reengineering Products List
- 1.3 Appendix B: Product Sheets
- 1.5 A Taxonomy of Reengineering Terms, Tool Types, and Strategies
- 1.6 Summary

## 1.1 Introduction

This report represents a new approach for STSC's Reengineering Technology Report. Past years have seen a single volume published for reengineering. However, due to the size of our reengineering tools data base, we can no longer publish all the data we have collected regarding reengineering tools in the same volume that discusses the principles of reengineering.

We see this as an advantage. Again, due to the data base size, it is now cumbersome for the reader to find all the tools that match all the criteria for the reengineering project your organization may be considering.

The STSC offers a free service to anyone who calls us with the specific requirements for their reengineering needs. These requirements could include hardware platform, current and target languages, and specific reengineering strategy being considered (e.g. reverse engineering, source code translation, etc.). Given these requirements, we will fax or email a customized tools report list to you within 48 hours of your request.

We feel the only people that will be interested in this volume 2 are the reengineering tool and service vendors. They may want to validate our information on their products and discover how they stack up against their competition. We encourage all such vendors to report any discovered discrepancies. We want to offer the STSC as an unbiased disseminator of accurate information regarding reengineering tools and services.

## 1.2 Appendix A: Reengineering Products List

The information gathered for each product includes:

- The product's name.
- Platforms and associated operating systems the product requires.
- Vendor name and phone number.
- The computer languages, data bases (for reengineering or data name rationalizers), or platforms (for retargeting) the product supports.
- The product's reengineering sub-domain types. Currently, these include (see section 1.5 for definitions):

Reverse Engineering

Forward Engineering

Source Code Translator

Redocumenter

Restructurer

Retargeting

Data Reengineering

Business Process Reengineering (BPR)

The reader will note that additional subdomains are listed next to some products in Appendix A. These subdomains are used and discussed in other Technology Reports put out by the STSC - primarily the *Knowledge-Based Technologies Report* (currently not available), and the *Software Test Technologies Report*.

The products list in Appendix A is actually broken down into three separate reports, each sorted by different criteria:

- Appendix A.1 lists the products by reengineering type (i.e. sub-domain). (Volume 2 of this report.)
- Appendix A.2 lists the products in alphabetical order by product name. (Volume 2 of this report.)
- Appendix A.3 lists the products in alphabetical order by vendor name. (Volume 2 of this report.)

### **1.3 Appendix B: Product Sheets**

We attempted to contact every vendor whose product appears on our long list in order to send a product sheet for further information.

The product sheets include additional information on the product including:

- cost, discounts, site licenses
- a more detailed description
- development/maintenance methodologies supported by the product
- frequency of new releases
- how documentation is updated
- minimal required hardware
- minimal required software
- misc. services such as a vendor BBS, hotline, newsletter, training, product customization, GUI support, Windows support, etc.

We try to discover any hardware/software requirements that may make an otherwise inexpensive product impractical. For example, if a product requires an upgrade to the hardware platform, such as a math co-processor, then this would be included in the product sheet for that product.

### **1.4 A Taxonomy of Reengineering Terms, Tool Types, and Strategies**

The debate over definitions within reengineering is far from being resolved. During 1992, several reengineering conferences brought up the issue of standard reengineering taxonomy. Such a standard taxonomy would avoid all those presentations that begin with the presenter's definitions so that the audience will have a common frame of reference with the presenter.

In September of 1992, the Joint Logistics Commands (JLC) workshop on reengineering set forth definitions that the STSC has subsequently adopted. The following definitions are largely based on ideas gleaned from STSC's 1992 Reengineering Tools Report, the Chikofsky and Cross article to IEEE on a reengineering taxonomy, the 3rd Annual Systems Reengineering technology Workshop held at the Naval Surface Warfare Center in White Oak, Maryland, and the 3rd Reverse Engineering Forum held at Northeastern University.

The following JLC definitions represent the way we divide our tools data base into different categories. Thus, when requesting tools for a particular reengineering strategy, or when validating the information for a vendor's tool(s), we request you carefully read the following definitions to discover why a given tool is placed within a given category.

The definitions are:

### **Business Process Reengineering (BPR):**

*"(Business Process) Reengineering is the fundamental rethinking and radical redesign of business processes to achieve dramatic improvements in critical, contemporary measures of performance, such as cost, quality, service, and speed."*

*Michael Hammer and James Champy*

Aside: Tools that support BPR include process modelers (and simulators) that allow organizations to run what-if scenarios on their key business processes. Other BPR tools enable an organization to set goals and gather information about current or projected processes.

### **Data Reengineering:**

*Tools that perform all the reengineering functions associated with source code (reverse engineering, forward engineering, translation, redocumentation, restructuring/normalization, and retargeting) but act upon data files.*

Aside: Just as in the reengineering of source code, data reengineering must have a goal or target configuration. We call this configuration goal a target meta model. For example, relational data bases (RDBs) are a desirable target meta model for the data reengineering activity (currently, less than 5% of all data files are RDBs). Data reengineering tools help to translate flat files and hierarchical files to RDBs and object-oriented files.

### **Forward Engineering:**

*Forward engineering is the set of engineering activities that consume the products and artifacts derived from legacy software and new requirements to produce a new target system.*

Aside: A hot topic within software reengineering circles is whether we even need the term "forward engineering" since this implies the normal development lifecycle sequence of events. In this were true, then forward engineering and software engineering can be considered identical terms. But we define forward engineering as using the output of reverse engineering. This implies that some reverse engineering must have occurred prior to the forward engineering activity. For example, the most common forward engineering activity involves the generation of source code from design information which was captured by a previous reverse engineering activity.

### **Redocumentation:**

*The process of analyzing the system to produce support documentation in various forms including users manuals and reformatting the systems' source code listings.*

Aside: Sometimes, the output of reverse engineering is thought to be the same as redocumentation. After all, when reverse engineering captures the design information from the legacy source code, the resulting display can take the form of data flow diagrams, control flow charts, etc. The difference between redocumentation and reverse engineering is that the redocumentation usually generates system documentation according to a standard. For example, there are redocumentation tools that create documentation for MIL-STD-2167A - the standard for documenting DoD software development projects.

### **Restructuring:**

*The engineering process of transforming the system from one representation form to another at the same relative abstraction level, while preserving the subject system's external functional behavior.*

Aside: In contrast to reverse engineering (which takes in source code and extracts design information which is a higher level of abstraction than the code) restructuring code leaves the system at the same abstraction level (within the lifecycle) of "code" but radically rearranges the source code to fit a new paradigm such as structured analysis or object-oriented analysis.

### **Retargeting:**

*The engineering process of transforming and hosting or porting the existing system in a new configuration.*

Aside: The new configuration could be a new hardware platform, an new operating system, or a CASE platform.

**Reverse Engineering:**

*The engineering process of understanding, analyzing, and abstracting the system in another form or higher level of abstraction.*

Aside: This higher abstraction level is understood within the context of the software system's lifecycle. For example, the classic waterfall development lifecycle calls for requirements/specifications followed by design, code, test, implement, and maintain. Thus, if we start with the code, reverse engineering will extract design information which is at a higher abstraction level in the lifecycle.

**Software Reengineering:**

*The examination and alteration of an existing subject systems to reconstitute it in a new form. The process encompasses a combination of subprocesses such as reverse engineering, restructuring, redocumentation, forward engineering, and retargeting.*

Aside: Reengineering is the umbrella term for the other sub-domains listed here. The "new form" of the subject system could be structured code - from "spaghetti" code; design information in graphical form - from input code; or the translation of the source code from one language to another while preserving the system's functionality.

**Source Code Translation:**

*Transformation of source code from one language to another or from one version of a language to another version of the same language (e.g. going from COBOL-74 to COBOL-85).*

## **1.5 Summary**

We hope the following reengineering tools information is of value to the reader. We strongly encourage reader feedback to continually improve this report and the information presented.

**Appendix A: Reengineering Products Lists**



**Appendix A.1: Reengineering Products List by Type**

*Appendix A.1: Reengineering Products List by Types*

Business Process Reengineering		
Advanced Management Catalyst (AMCat)	BPSimulator	PenAnalysis
ANDRULIS/BPre+	BPwin	PenAnalysis Modeling Tools
ANSWER:Architect	DBStar	PRIDE Information Factory (PRIDE)
ANSWER:Cabe	Design/IDEF	PROSLCSE
Applications Manager (AM)	Flowmark	Ptech
ASURE	MAXIM	SIMPROCESS
	Object Management Workbench (OMW)	Workflow Analyzer (WFA)
Data Reengineering		
\$NAME		
ADW/Load (ADW Load)	Deft CASE System	Open TRANS8
ARRAE	DESIGN GENERATOR	OpenODB
BACHMAN Database Design	Design Review-Scope	Panorama C++
BACHMAN/ANALYST	Designer	PM/SS
BACHMAN/Analyst Capture	EasyCASE	Reverse Engineering Tool
BACHMAN/CONVERTER	Environment for Code Re-Engineering (ENCORE)	SQLASSIST
BACHMAN/DBA	ExpressC/Ada	SuperNOVA
CaseConnection/ADW	EXTRACT	Teamwork/IM
CLEAR Plus	Foundation Translator	Transition Engineering Facility (TEF)
COBOL Analyst	IE: Advantage	TRANSLATION/MIGRATION SERVICE
CQS-Data Engineer (CQS)	Information Systems Engineering Env. (ISEE)	TranZform
Current Systems Analysis (CSA)	Integrity Programming Environment	UniKix
Current Systems Modification (CSM)	InterCycle	URMA
Data Dictionary Tree	Interleaf 6	VAX SCAN (SCAN)
DATAKOM to SQL Conversion Aid	M.A.T.I.S.S.E.	VIA/ALLIANCE
DATATEC	MacDesigner	VIA/Renaissance
DB Data Analyzer	Mesa/Postscript Support for CASE (Mesa/PS)	VISION:NorthStar
DB Designer	Mesa/Teamwork Model Bridge (Mesa/TMB)	Vitro Automated Structured Testing Tool (VASTT)
dbLOADER		X-ANALYSIS
DBStar		XperCASE
DCD III		
DDS-Link		
Forward Reengineering		
Activation Framework	EnsembleEnsemble Viewer	PRIDE Information Factory (PRIDE)
Ada Development Environment	EPOS	PRODOC re/NuSys Workbench
Ada Software Development Toolset	ERwin/ERX	Rational Rose (Rose)
Ada/ADADL Requirements Interface System (ARIS)	Excelerator for Design Recovery	Recycle-SF/Repair
AdaFlow	FORCE	REENgineering Environment and Workbench (REENEW)
Adagen	FORTRANgen	Reverse Engineering Tool
Ada_Z	Foundation Vista10	
	FreeFlow	

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ANSWER:Architect	Huron	SmartChart
Applications Manager (AM)	IE: Advantage	SMARTsystem
Autocode	Information Systems Engineering Env.	SNiFF+
BattlePlan	(ISEE)	Software Reengineering
BPwin	IntegrAda	Environment (SRE)
C Development Environments	LANSA	Software Refinery
C++ Development Environment	LBMS SYSTEMS ENGINEER	STARK
CA-MetaCOBOL+	LOOK & FEEL	Stp/OMT
CA-TELON	METAgen	superCASE (SCI)
CA-TELON PWS	Micro Focus Cobol/2 Workbench	SUPRe/DAISys
CASE Designer	MicroSTEP	Teamwork/Ada Source Builder
case/ap	Migration Workbench	Teamwork/C Source Builder
COBOL Program Generator (CPG)	NETRON/CAP	Teamwork/OOD
Code Generator	Object-Oriented Structured	Technical Systems Engineering
Cradle SEE	Design/C++	Environ. (TSEE)
Current Systems Analysis (CSA)	ObjectMaker	TeleUSE
Current Systems Modification	OMTool (OMT)	Translator
(CSM)	ONTOS VIA/OIS	Tree4(C, Fortran, Pascal)
DAISys	Open Interface	UNISSET
Data Dictionary Tree	OpenODB	ViewCenter
DATATEC	Panorama C++	VIEWS-SF
DBStar	Panorama C++/OO-Browser	Vitro Automated Structured
DDS-Link	PARITY	Testing Tool (VASTT)
Design Recovery Series	PC DICTIONARY	WorkFlow Analyzer (WFA)
EasyCASE	PowerDesigner	X-ANALYSIS
EiffelCase	PowerTools	XAda
	Predict	Xinotech Program Composer
		XperCASE

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## Redocumenter

ABSTRACT/PROBE	Eagle	RE-DOC
Ada Design and Documentation	EPOS	RE-SPEC
Language (ADADL)	EPOS 2000 (EPOS 90)	REengineering Applications
Ada Development Environment	ESW Documentation	(REAP)
AdaFormat	Excelsator for Design Recovery	REEngineering Environment and
Ada-ASSURED	F-SCAN	Workbench (REENEW)
ADAPRETY	FORTRANgen	Refine/Ada
AdaReformat	FOR_STRUCT	Refine/C
Ada Software Development Toolset	FOR_STUDY	Refine/Cobol
Automated Documentation System	Foundation Vista10	Refine/Fortran
(ADS)	HP Ada/300 Development System	SCAN/COBOL
Blue Four	Information Systems Engineering Env.	SMARTsystem
C Design and Documentation	(ISEE)	
Language (CDADL)	IntegrAda	Software Document Automation
C Development Environments	MacDesigner	(SoDA)
C-DOC	Maintenance Workbench	Software Refinery
C-LIST	Military Standard Document	Source/RE
C-Vision for C	Conversion (MSDC)	STATEMATE

*Appendix A.1: Reengineering Products List by Types*

CA-MetaCOBOL+	Navigator	Stp/OMT
COBOL Analyst	OBJECT IE	Structure & Logic Analysis
COBOL spII	Object-Oriented Structured	Module
COBOL Structuring Aid (CSA)	Design/C++	SUPERSTRUCTURE/RETOOL
CONFIGURE	Panorama C++	Teamwork/DocGen
DATATEC-DS	Panorama C++/OO-Analyzer	Teamwork/IM
DCD III	Panorama C++/OO-Browser	TeleUSE
DEC FUSE	Panorama C++/OO-Diagrammer	Translator
DOCBUILDER	PC DICTIONARY	Tree4(C, Fortran, Pascal)
DOCGEN/C	plusFORT	VAX SCAN (SCAN)
Document Generator (DocGen)	PM/SS	VIA/ALLIANCE
Documentation-Aid, MVS	PRIDE Information Factory (PRIDE)	VIA/SmartDoc
(Doc-Aid)	PRODOC re/NuSys Workbench	Visible Analyst Workbench
Documentor	Q/Artisan	(VAW)
DOSSIER BROWSE	Q/ARTISAN PC	VISION:Legacy
DOSSIER PROVE	QualityFirst C	XAda
		Xinotech Program Composer

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Restructurer

AdaSplit	Maintainer's Assistant	SmartStar
ADW/Recoder	Mozart	Software Reengineering
BACHMAN Database Design	Object Oriented Tool (OOT)	Environment (SRE)
Blue Four	Panorama C++/OO-Browser	Software Refinery
C-DOC	plusFORT	SPAG
C-LIST	PM/SS	The Data Design Facility (DDF)
COBOL Structuring Aid (CSA)	PRODOC re/NuSys Workbench	TRANSLATION/MIGRATION
COBOL Structuring Facility	Q/Artisan	SERVICE
(COBOL/SF)	Q/ARTISAN PC	VAXset/Program Design Facility
COBOL/METRICS	QA C	(VAXset/PDF)
CodeBreaker	QA C++	Visible Analyst Workbench
CQS-Data Engineer (CQS)	Reformat	(VAW)
DEC FUSE	Requirements Driven Development	VISION:Legacy
Environment for Code	(RDD)	Vitro Automated Structured
Re-Engineering (ENCORE)	Retrofit	Testing Tool (VASTT)
Fortran Development Tools	RevAda/StP	X-ANALYSIS
FOR_STRUCT	Reverse Engineering Tool	
Logiscope	SILVERRUN-ERX	

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Retargeting

ANSWER:Zim	Integrated Design Automation System	Refine/C
BACHMAN/Analyst Link	(IDAS)	Software One Exchange
Computer Tester Analyzer	InterCASE KnowledgeWare Gateway	Software Reengineering
Controller (C-TAC)	(IKG)	Environment (SRE)
CONVERSION ENGINE	JOVIAL Reverse Engineering Toolset	SYNTran
Current Systems Analysis (CSA)	(JRETS)	TRANSLATION/MIGRATION
Current Systems Modification	Mesa/CASE Tool Interface (Mesa/CTI)	SERVICE

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(CSM)  
DBStar  
DCL8  
Excell 930  
EXTRACT  
Foundation SQL  
Foundation Translator

Open ACCLIM8  
Open BASIC  
Open TRANSL8  
Q/Artisan  
Q/ARTISAN PC  
Refine/Ada

TranZform  
UniKix  
VADScross  
VADSmp  
VADSelf  
VADSWorks  
VAX SCAN (SCAN)

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Reverse Engineering

Ada Design and  
Documentation Language (ADADL)  
Ada Development Environment  
Adagen  
AdaMagic  
AdaQuest  
ADW/Load (ADW Load)  
ADW/Pinpoint  
Aide-De-Camp (ADC)  
allCLEAR  
ANSWER:Cabe  
Application Browser  
ARC SADCA  
Architecture Design & Assessment  
System (Adas)  
AS/SET  
ASA 20/20  
AsmFlow Professional  
AutoAnalyzer  
AutoDiagrammer  
AutoFlow  
AutoStructureChart  
BACHMAN/ANALYST  
BACHMAN/Analyst Capture  
Battlemap Analysis Tool (BAT)  
BattlePlan  
BPwin  
C Design and Documentation  
Language (CDADL)  
C Development Environments  
C++ Development Environment  
C-CALL  
C-LIST  
C-SCAPE  
CASE Designer  
Chen Workbench  
CLEAR Plus  
CMS-2 Design Analyzer (DESAN)  
CMS-2 Reverse Engineering

FORCE  
FORTRAN Reverse Eng & Document  
System (FREDoc)  
FORTRAN-lint  
FORTRANgen  
FORWARN  
Foundation SQL  
Foundation Translator  
Foundation Vista10  
FreeFlow  
GPSA  
GrafBrowse  
Hindsight  
Huron  
Information Systems Engineering Env.  
(ISEE)  
InterCASE KnowledgeWare Gateway  
(IKG)  
InterCycle  
J73 Automated Verification System  
(J73AVS)  
JCL/Convert  
JOVIAL Analysis and Conversion Kit  
(JACK)  
JOVIAL Reverse Engineering  
Technology (JRET)  
JOVIAL Reverse Engineering Toolset  
(JRETS)  
LabVIEW  
LANSA  
Logiscope  
Logiscope Graphical Editor  
LYDDIA  
Maintainer's Assistant  
METagen  
Navigator  
OBJECT IE  
Object Management Workbench  
(OMW)

RE-DOC  
Re-engineering MENTOR  
Re-Engineering Product Set  
RE-SPEC  
RE/Cycle  
RE/CYCLE  
Re/Toolkit  
Recycle-SF  
Recycle-SF/Recover  
Recycle-SF/Repair  
Reeng. Doc./Migrator - Source to  
CASE (RDMSCC)  
REENgineering Environment and  
Workbench (REENEW)  
Refine/Ada  
Refine/C  
Refine/Cobol  
Refine/Fortran  
Requirements Driven  
Development (RDD)  
RevAda/StP  
Reveng  
Revengg  
Reverse Engineering Tool  
ROCHADE  
ROS/ADA  
SCAN/COBOL  
SchemaGen  
SEER  
SILVERRUN-ERX  
SIMPROCESS  
SmartChart  
SMARTgraph  
SMARTsystem  
SNiFF+  
Software Reengineering  
Environment (SRE)  
Software Refinery  
Software through Pictures (StP)

# Appendix A.1: Reengineering Products List by Types

Technology	Object-Oriented Structured	Source Code Analyzer (SCA)
COBOL Analyst	Design/C++	Source/RE
COBOL Magic	Objectivity/DB	SPAG
COBOL-lint	ObjectMaker	superCASE (SCI)
CodeBreaker	OLGA	SuperNOVA
CodeCheck	ONTOS VIA/OIS	Teamwork/ASG Builder
Computer Tester Analyzer	Open Interface	Teamwork/C Rev
Controller (C-TAC)	Pacbase with Pacreverse	Teamwork/FORTRAN Rev
CONVERSION ENGINE	PACREVERSE	The Data Design Facility (DDF)
Cradle SEE	Panorama C++	Toolbus
DataModeler	Panorama C++/OO-Analyzer	Transition Engineering Facility
DBStar	Panorama C++/OO-Browser	(TEF)
DCD III	Panorama C++/OO-Diagrammer	Translator
DEC FUSE	Panorama C++/OO-SQA	Tree4(C, Fortran, Pascal)
DecisionVision 1 (DV1)	Paradigm Plus	Universal Network Architecture
Design Recovery Series	PATHVU	Services (UNAS)
Design/IDEF	PC DICTIONARY	URMA
DOSSIER PROVE	Persistence	VAXset/Program Design Facility
EAGLESCAN	PLASMA	(VAXset/PDF)
EasyCASE	PM/SS	VIA/Insight
EasyCODE	POET	VIA/Renaissance
EiffelCase	PowerDesigner	VIEWS-SF
Ensemble	PowerPDL	VISION:NorthStar
Ensemble Viewer	Predict	Visual Interactive FORtran
EPOS	PRODOC re/NuSys Workbench	(VIFOR)
ER-Designer	Ptech	Vitro Automated Structured
ERwin/ERX	QA C	Testing Tool (VASTT)
Excelerator for Design Recovery	QA C++	WinScope
Existing Systems Workbench (ESW)	QA FORTRAN	WorkFlow Analyzer (WFA)
Expert Debugging Software	QualityFirst C	X-ANALYSIS
Assistant (EDSA)	Rational Rose (Rose)	XperCASE
ExpressC/Ada		XRAY Source Explorer

## Source Code Translator

ACE*Tester	Fortran Development Tools	RE-SPEC
Ada9X Transition Aid	FOR_C	REEngineering Environment and
AdaMagic	FOR_C++	Workbench (REENEW)
ARC SADCA	Hypersoft Application Browser (HAB)	Software Refinery
Auto-G Case Toolset, AutoAda	JOVIAL Analysis and Conversion Kit	STARK
Code Gen.	(JACK)	SuperNOVA
Automated Source Code Conv. Sys.	JOVIAL/ADA TRANSLATOR	Translate-CGM
for Ada (ASCCSA)	MACYACC	Translation Services
AXI	Metamorphosis	TRANSLATION/MIGRATION
CA-MIGRATE/COBOL	MPS/400	SERVICE
CMS-2 Translate to Ada (TRADA)	ObjectCenter	Translator
CONVERSION ENGINE	OmniMark	Turbo-to-C Tools
Environment for Code	Open BASIC	UIL/Trans
Re-Engineering (ENCORE)	Pastran	Xinotech Language Translator
FORCE	PRODOC re/NuSys Workbench	(XLT)
FORTTRAN 77 Programmer's	PROMULA.FORTRAN	Xinotech Program Composer
Assistant III	Re-Engine Documentor/Migrator	

## **Appendix A.2: Reengineering Products List by Name**

*Appendix A.2: Reengineering Products List by Name*

Product Names Tool Types	Phone	Vendor Name Languages	Platform/Operating System
\$NAME Data Name Rationalizer, Data Reengineering	617-455-0949 Ada, COBOL, PL/I	Global Software, Inc. SQL	
ABSTRACT/PROBE Cross Referencing Tool, Redocumenter	201-798-6400 COBOL, IMS	Advanced Systems Concepts, Inc. AS/400	
Activation Framework Forward Engineering, Rule-Based Shell, Simulator	508-250-4633	The Real-Time Intelligent Systems Corp.	
Ada Design and Documentation Language (ADADL) Complexity Measurer, Cross Referencing Tool, Redocumenter, Reformatter, Reverse Engineering, Test Execution Manager, Test Planner	909-625-6147 Ada	Software Systems Design, Inc. DG, HP/VMS, PC/MS-DOS, UNIX, UNIX/VMS, VAX/VMS	
Ada Development Environment Debugger, Forward Engineering, Redocumenter, Reusable Components Identifier, Reverse Engineering	800-888-4331 Ada	Interactive Development Environments Apollo/Domain, DEC/ULTRIX, HP/HP-UX, Sun/Sun OS, VAX/VMS	
Ada Software Development Toolset Complexity Measurer, Cross Referencing Tool, Forward Engineering, Linker, Redocumenter, Reformatter, Size Measurer, Structure Checker	619-431-7714 Ada	Aetech PC/MS-DOS	
Ada-ASSURED Redocumenter, Reformatter	607-273-7340 Ada	GammaTech, Inc. DECstation, HP, IBM, Sun	
Ada/ADADL Requirements Interface System (ARIS) Forward Engineering	909-625-6147 Ada	Software Systems Design, Inc. DG, PC/MS-DOS, RISC 6000, Sun/VMS, UNIX/VMS, VAX/VMS	
AdaFlow Forward Engineering	310-458-0092 Ada, PDL	Iconix Software Engineering, Inc. UNIX, Mac/Mac OS, PC/MS-DOS, Sun/Sun OS	
AdaFormat Redocumenter, Reformatter	800-752-0900 Ada	Hewlett-Packard HP-9000/HP-UX	
Adagen Code Generator, Forward Engineering, Reverse Engineering, Rule-Based Shell	818-995-7671 Ada	Mark V Systems Apollo/SR, DG/UX, HP/HP-UX, IBM/UNIX, Mac/Multifind, MIPS/RISC, PC/MS-DOS, RISC 6000/AIX, SCO/UNIX, Sun/Sun OS, VAX/VMS	
AdaMagic Compiler, Optimizer, Reverse Engineering, Source Code Translator	800-356-3594 Ada	Intermetrics, Inc. VAX/MVS,	
ADAPRETY Redocumenter, Reformatter	908-870-4500 Ada	Concurrent Computer Corp. Concurrent/OS/32	
AdaQuest Auditor, Complexity Measurer, Maintainability Analyzer, Reliability Analyzer, Reusable Components Identifier, Reverse Engineering, Size Measurer, Structure Checker, Test Data Generator	805-964-7724 Ada	General Research Corp. ULTRIX, DEC/ULTRIX, DECstation, VAX/VMS	
Ada_Z Code Generator, Forward Engineering	617-942-2000 Ada	TASC VAX/VMS	
de-De-Camp (ADC) Reverse Engineering	508-369-7398 C	Software Maint. & Development Sys., Inc. Primos, PC/UNIX, VAX/VMS	



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<b>Product Name Tool Types</b>	<b>Phone Languages</b>	<b>Vendor Name Platform/Operating System</b>
allCLEAR Reverse Engineering	617-965-6755 C, DB2	CLEAR Software, Inc. PC/MS-DOS, PC/Windows
ANSWER:Architect Business Process Reengineering, Forward Engineering	818-716-1616	Sterling Software, Inc. PC/Window 3.0
ANSWER:Zim Compiler, Retargeting	818-716-1616 ADW Files	Sterling Software, Inc. OS/2, PC/MS-DOS, UNIX, VAX/VMS
Application Browser Cross Referencing Tool, Reverse Engineering, Structure Checker	617-864-8860 COBOL	Hypersoft Corp. PC/MS-DOS, VAX/VMS
Applications Manager (AM) Business Process Reengineering, Forward Engineering, Linker	508-640-1080 C, Smalltalk	intelligent ENVIROMENTS OS/2, /SQL, IMS/DC, PC/DB2
ARC SADCA Code Change Monitor, Complexity Measurer, Reverse Engineering, Size Measurer, Source Code Translator, Structure Checker	205-721-1288 Ada, C, FORTRAN	Optimization Technology, Inc. Sun
Architecture Design & Assessment System (Adas) Reverse Engineering, Simulator, Structure Checker	919-541-7436	Research Triangle Institute Apollo, PC/AIX, Sun/Sun OS, VAXstation/ULTRIX, VAXstation/VMS
ARRAE Assertion Analyzer, Data Reengineering	800-825-1282 COBOL, DB2, IMS	Price Waterhouse Re-Engineering Center IBM/MVS
AS/SET Case-Based Reasoning, Reverse Engineering	312-641-2900 C, RPG	System Software Associates, Inc. AS/400
ASA 20/20 Coverage/Frequency Analyzer, Cross Referencing Tool, Functional Simulator, Reverse Engineering	408-492-1668 C, C++, FORTRAN	Advanced Software Automation, Inc. DEC, HP, Sun/Sun OS, VAX
AsmFlow Professional Cross Referencing Tool, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer	408-244-6826 Assembler	Quantasm Corp. PC/MS-DOS
Auto-G Case Toolset, AutoAda Code Gen. Code Generator, Source Code Translator	301-731-2426 G&TDL	RJO Enterprises ULTRIX, DECstation/UNIX, HP/HP-UX, Sun/Sun OS, VAX/VMS
AutoAnalyzer Complexity Measurer, Coverage/Frequency Analyzer, Debugger, Performance/Timing Analyzer, Reliability Analyzer, Reverse Engineering, Size Measurer, Structure Checker, Test Instrumenter	408-492-1668 C, C++, FORTRAN	Advanced Software Automation, Inc. DEC, HP, IBM, Sun
Autocode Code Generator, Forward Engineering, Simulator	408-980-1500 Ada, C, FORTRAN	Integrated Systems, Inc. Apollo/UNIX, Sun/Sun OS, VAX/VMS
AutoDiagrammer Reverse Engineering, Structure Checker	408-492-1668 Ada, C, FORTRAN	Advanced Software Automation, Inc. DEC/ULTRIX, Sun/Sun OS, VAX/ULTRIX
AutoFlow Coverage/Frequency Analyzer, Reusable Components Identifier, Reverse Engineering, Structure Checker	408-446-2273 C	AutoCASE Technology OS/2, PC/MS-DOS, UNIX

*Appendix A.2: Reengineering Products List by Name*

<b>Product Name</b> <b>Tool Types</b>	<b>Phone</b> <b>Languages</b>	<b>Vendor Name</b> <b>Platform/Operating System</b>
Automated Documentation System (ADS) Auditor, Cross Referencing Tool, Redocumenter, Reformatter, Run-Time Error Checker, Session Documenter, Structure Checker	315-685-6918 JCL	A+ Software, Inc. MVS
Automated Source Code Conv. Sys. for Ada (ASCCSA) Source Code Translator	703-934-3401 COBOL, PL/1	ICF Information Technology, Inc. PC/MS-DOS
AutoStructureChart Reverse Engineering, Structure Checker	408-492-1668 Ada, C, FORTRAN	Advanced Software Automation, Inc. Apollo/SR, DECstation/ULTRIX, Sun/Sun OS, VAX/ULTRIX
AXI Source Code Translator	909-583-9119 Ada	Advanced Technology Center Sun/Sun OS, UNIX
BACHMAN Database Design Data Reengineering, Restructurer	617-273-9003 DB2, DBMS, ORACLE, SQL, Sybase	Bachman Information Systems, Inc. OS, /OS/2, PC/DB2
BACHMAN/ANALYST Data Reengineering, Reusable Components Identifier, Reverse Engineering	617-273-9003 COBOL, IDMS, IMS, PL/1	Bachman Information Systems, Inc. IBM/OS/2, PC/MS-DOS
BACHMAN/Analyst Capture Data Reengineering, Reverse Engineering	617-273-9003 COBOL, IDMS, IMS, PL/1	Bachman Information Systems, Inc. IBM/OS/2, PC/MS-DOS
BACHMAN/Analyst Link Data Reducer & Analyzer, Retargeting	617-273-9003 ADW Files, DB2, SQL	Bachman Information Systems, Inc. MVS, /OS/400, /VM, PC
BACHMAN/CONVERTER Code Generator, Data Reengineering	617-273-9003 DB2, ORACLE	Bachman Information Systems, Inc. IBM/OS/2
BACHMAN/DBA Data Reengineering, Rule-Based Shell	617-273-9003 DB2	Bachman Information Systems, Inc. MVS/ESA, MVS/XA
Battlemap Analysis Tool (BAT) Complexity Measurer, Reverse Engineering, Size Measurer, Ada, Assembler, C, Structure Checker, Test Data Generator	800-634-0150 Ada, Assembler, C, C++, COBOL, FORTRAN, Pascal, PDL	McCabe & Assoc., Inc. SPARC, Apollo/Domain, DEC/ULTRIX, HP/HP-UX, IBM, PC/UNIX, Sun/Sun OS, VAX/VMS
BattlePlan Forward Engineering, Reverse Engineering, Test Data Generator	800-634-0150 All	McCabe & Assoc., Inc. SPARC, HP, UNIX
Blue Four Redocumenter, Restructurer	717-222-9100 FORTRAN	OTG Systems, Inc. Cray, Cyber, DEC, HP/HP-UX, PC/MS-DOS, Prime, Sun/Sun OS, VAX/VMS
BPwin Business Process Reengineering, Forward Engineering, Reverse Engineering	703-761-6741 SQL	Logic Works PC/Windows
C Design and Documentation Language (CDADL) Complexity Measurer, Cross Referencing Tool, Defect/Change Tracker, Redocumenter, Reformatter, Reverse Engineering, Size Measurer, Structure Checker	909-625-6147 C	Software Systems Design, Inc. DG, HP/VMS, PC/MS-DOS, RISC 6000, Sun/VMS, UNIX/VMS, VAX/VMS

*Software Technology Support Center (STSC)*

<b>Product Name Tool Types</b>	<b>Phone Languages</b>	<b>Vendor Name Platform/Operating System</b>
C Development Environments Forward Engineering, Redocuments, Reverse Engineering	800-888-4331 C	Interactive Development Environments Apollo/Domain, DEC/ULTRIX, HP/HP-UX, Sun/Sun OS, VAX/VMS
C++ Development Environment Code Generator, Forward Engineering, Reverse Engineering	800-888-4331 C++	Interactive Development Environments HP, RISC 6000, Sun/SPARC
C-CALL Cross Referencing Tool, Reverse Engineering, Structure Checker	905-858-4466 C, C++	Software Blacksmiths, Inc. PC/MS-DOS, PC/OS/2
C-DOC Complexity Measurer, Cross Referencing Tool, Defect/Change Tracker, Redocuments, Restructurer, Size Measurer, Structure Checker	905-858-4466 C, C++	Software Blacksmiths, Inc. PC/MS-DOS, PC/OS/2
C-LIST Redocuments, Reformatter, Restructurer, Reverse Engineering	905-858-4466 C, C++	Software Blacksmiths, Inc. PC/MS-DOS, PC/OS/2
C-SCAPE Cross Referencing Tool, Debugger, Reverse Engineering	508-872-8700 x370 C, C++	LIANT Software Corp. PC/MS-DOS, PC/OS/2, Sun/Sun OS, UNIX, VAX/VMS
C-Vision for C Cross Referencing Tool, Redocuments, Reformatter, Structure Checker	215-584-4261 C	Gimpel Software PC/MS-DOS, PC/OS/2
CA-MetaCOBOL+ Forward Engineering, Redocuments, Reformatter	800-225-5224 COBOL	Computer Associates Intl. IBM 370/MVS, IBM 370/VM, IBM 370/VSE
CA-MIGRATE/COBOL Source Code Translator	800-225-5224 COBOL	Computer Associates Intl. IBM 370/MVS, IBM 370/VSE
CA-TELON Forward Engineering	800-225-5224 COBOL, PL/1	Computer Associates Intl. IBM
CA-TELON PWS Forward Engineering	800-225-5224 COBOL, PL/1	Computer Associates Intl. IBM
CASE Designer Forward Engineering, Reverse Engineering	44-932-872-020 SQL	Oracle Corp. UK Ltd. RISC 6000/ULTRIX, VAX/ULTRIX, VAX/VMS
case/ap Forward Engineering	310-494-4069 COBOL	Synthesis Computer Technologies, Inc. VAX/VMS
CaseConnection/ADW Data Extractor, Data Reengineering, Reusable Components Identifier	415-965-5700 C	IntelliCorp HP, IBM, Sun
Chen Workbench Reverse Engineering	504-928-5765 All	Chen & Associates, Inc. DB2, IBM/SQL
CLEAR Plus Data Reengineering, Reverse Engineering, Structure Checker	617-965-6755 C, DB2	CLEAR Software, Inc. PC/MS-DOS
CMS-2 Design Analyzer (DESAN) Reverse Engineering, Syntax & Semantics Analyzer	619-553-9446 Ada, CMS-2	NCCOSC PC/MS-DOS, Sun/UNIX, VAX/VMS

*Appendix A.2: Reengineering Products List by Name*

<b>Product Name Tool Types</b>	<b>Phone Languages</b>	<b>Vendor Name Platform/Operating System</b>
CMS-2 Reverse Engineering Technology Reusable Components Identifier, Reverse Engineering	518-387-5457 CMS	General Electric Co. (R & D) Sun/SPARC,
CMS-2 Translate to Ada (TRADA) Source Code Translator	619-553-9446 Ada, CMS-2	NCCOSC VAX/VMS
COBOL Analyst Auditor, Complexity Measurer, Cross Referencing Tool, Data Name Rationalizer, Data Reengineering, Redocumenter, Reverse Engineering, Size Measurer, Structure Checker, Syntax & Semantics Analyzer	412-682-4991 CICS, COBOL, DB2, IMS	Software Eng. & Enhancement Center, Inc. PC/OS/2, PC/Windows
COBOL Magic Cross Referencing Tool, Reverse Engineering, Structure Checker	612-550-1609 COBOL, COBOL II, CORAL 86	Jacobson Software, Inc. PC/MS-DOS
COBOL Program Generator (CPG) Forward Engineering	216-688-2741 COBOL	David R. Black & Assoc., Inc. VAX/VMS
COBOL spII Code Generator, Redocumenter, Text Editor	610-588-9400 COBOL	Flexus International Corporation MS-DOS, /OS/2, /Windows, DEC/UNIX, IBM/VMS
COBOL Structuring Aid (CSA) Redocumenter, Reformatter, Restructurer	800-252-1400 Assembler, COBOL	Marble Computer, Inc. MVS, /OS
COBOL Structuring Facility (COBOL/SF) Restructurer	801-328-6763 COBOL	Intl. Business Machines Corp. IBM/MVS, IBM/VM
COBOL-lint Cross Referencing Tool, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer	800-944-5468 COBOL	IPT Corp. RISC 6000, Sun/Sun OS, VAX/VMS
COBOL/METRICS Complexity Measurer, Restructurer, Size Measurer, Statistical Analyzer	301-921-7238 COBOL	Computer Data Systems, Inc. PC
Code Generator Forward Engineering	408-492-1668 Ada, C, COBOL, FORTRAN, Pascal	Advanced Software Automation, Inc. Apollo/SR, Sun/Sun OS, VAX/ULTRIX
CodeBreaker Restructurer, Reusable Components Identifier, Reverse Engineering, Structure Checker	800-634-0150 All	McCabe & Assoc., Inc. UNIX, Apollo, DEC, DEC/ULTRIX, HP, IBM/AIX, PC/MS-DOS, SGraphics, VAX/VMS
CodeCheck Auditor, Code Change Monitor, Complexity Measurer, Reverse Engineering, Size Measurer, Syntax & Semantics Analyzer	503-244-5253 C, C++	ABRAXAS Software, Inc. MS-DOS, /OS/2, /UNIX, Mac/Mac OS, PC/DR-DOS, VAX/VMS
Computer Tester Analyzer Controller (C-TAC) Coverage/Frequency Analyzer, Data Reducer & Analyzer, Debugger, Disassembler, Downloader, Network Analyzer, Reliability Analyzer, Retargeting, Reverse Engineering, Test Instrumenter	800-439-2648 Ada, CMS-2, JOVIAL	ITCN PC/MS-DOS, PC/Windows
CONFIGURE Auditor, Redocumenter, Reformatter	301-921-7238 COBOL	Computer Data Systems, Inc. —

*Software Technology Support Center (STSC)*

<b>Product Name Tool Types</b>	<b>Phone Languages</b>	<b>Vendor Name Platform/Operating System</b>
CONVERSION ENGINE Retargeting, Reverse Engineering, Source Code Translator, Structure Checker, Syntax & Semantics Analyzer	214-644-1379 ALC, Basic, BMS, COBOL, COBOL II, DATACOM, MFS, Pascal, SQL	M.D. Friedman Associates, Inc. IBM/AIX, PC/MS-DOS
CQS-Data Engineer (CQS) Data Reengineering, Restructurer	617-272-4310 COBOL	Carleton Corp. IBM
Cradle SEE Code Generator, Forward Engineering, Reverse Engineering	401-421-9390 Ada, C, Pascal	Mesa Systems Guild, Inc. Solaris2.1, DEC/ULTRIX, HP/HP-UX, IBM/AIX, PC/UNIX, Sun/Sun OS
Current Systems Analysis (CSA) Data Reengineering, Forward Engineering, Retargeting	800-336-5236 BMS, CICS, COBOL, DB2, IMS, SQL, VSAM	Texas Instruments IBM/MVS
Current Systems Modification (CSM) Data Reengineering, Forward Engineering, Retargeting	800-336-5236 -	Texas Instruments DB2, /IMS/DC, /SQL, /VMS, IBM/MVS
DAISys Case-Based Reasoning, Code Generator, Commenter, Cross Referencing Tool, Forward Engineering, Frame-Based Shell, Reusable Components Identifier	203-323-0760 CICS, COBOL, DB2, VSAM	S-CUBED, Inc. PC/MS-DOS, PC/OS/2, PC/Window 3.0
Data Dictionary Tree Data Name Rationalizer, Data Reengineering, Forward Engineering	805-389-1778 All	+1 Software Engineering Sun/Sun OS
DATACOM to SQL Conversion Aid Data Reengineering	214-644-1379 DBMS	M.D. Friedman Associates, Inc. MS-DOS
DataModeler Language Sensitive Editor, Reverse Engineering	310-458-0092 COBOL, SQL	Iconix Software Engineering, Inc. Mac
DATATEC Data Name Rationalizer, Data Reengineering, Forward Engineering, Syntax & Semantics Analyzer	810-737-7300 COBOL, COBOL II	Compuware Corp. IBM, MVS/ESA, MVS/SPARC, MVS/XA, PC/MS-DOS
DATATEC-DS Cross Referencing Tool, Redocumenter, Reformatter	800-344-9223 FORTRAN	XA Systems Corp. IBM/MVS
DB Data Analyzer Data Reengineering	800-743-2273 C	Cadre Technologies, Inc. DEC/ULTRIX, HP/HP-UX, IBM/AIX, PC/OS/2, Sun/Sun OS
DB Designer Data Reengineering	415-512-0300 C, DBMS, IMS, VSAM	DBStar, Inc. DEC/ULTRIX, HP/HP-UX, IBM/AIX, PC/OS/2, Sun/Sun OS
dbLOADER Data Extractor, Data Reengineering	713-492-0707 DBMS	Software Interfaces, Inc. DEC/ULTRIX, HP, Mac, PC, RISC 6000, Sun, VAX/VMS
DBStar Business Process Reengineering, Code Generator, Data Name Rationalizer, Data Reducer & Analyzer, Data Reengineering, Forward Engineering, Retargeting, Reverse Engineering	415-512-0300 DB2	DBStar, Inc. Sun/SPARC, Sun/Sun OS

*Appendix A.2: Reengineering Products List by Name*

<b>Product Name Tool Types</b>	<b>Phone Languages</b>	<b>Vendor Name Platform/Operating System</b>
DCD III Coverage/Frequency Analyzer, Cross Referencing Tool, Data Extractor, Data Name Rationalizer, Data Reengineering, Redocumenter, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer	800-252-1400 COBOL	Marble Computer, Inc. IBM/MVS/ESA, IBM/MVS/XA, IBM/OS, MVS/ESA, MVS/XA, PC/MS-DOS
DCL8 Linker, Retargeting, Rule-Based Shell	303-863-8088 All	Accel8 Technology Corp. DECstation, HP, IBM, Sun/UNIX, VAX/VMS
DDS-Link Data Reengineering, Forward Engineering	504-928-5765	Chen & Associates, Inc. DEC, IBM, UNISYS A
DEC FUSE Cross Referencing Tool, Redocumenter, Restructurer, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer	800-344-4825 Ada, C, COBOL, FORTRAN, Pascal	Digital Equipment Corp. DEC/ULTRIX, Sun/Solaris2.1
DecisionVision 1 (DV1) Complexity Measurer, Defect/Change Tracker, Reliability Analyzer, Reverse Engineering, Size Measurer, Structure Checker	508-692-4145 Ada, C, COBOL, FORTRAN	Software Business Management, Inc. ULTRIX, DEC, IBM/AIX, Sun/Sun OS
Deft CASE System Data Reengineering	800-879-2273 SQL	Sybase, Inc. Mac/Mac OS
Design Recovery Series Capture-Replay Tool, Forward Engineering, Reverse Engineering	800-777-8858 COBOL	Intersolv MS-DOS, /MVS, /Windows, PC/OS/2
Design Review-Scope Data Reengineering	708-213-6935 C, FORTRAN	Further Inspection HP, IBM, Sun
Design/IDEF Business Process Reengineering, Reverse Engineering	617-576-6920 C	Meta Software Corp. Mac
Designer Data Reengineering, Reusable Components Identifier	617-273-9003 DB2, DML	Bachman Information Systems, Inc. OS/400, MVS/ESA, PC
DOCBUILDER Redocumenter	800-424-3095	Verilog, Inc.
DOCGEN/C Redocumenter	909-625-6147 C	Software Systems Design, Inc. HP-UX, /Sun OS, /UNIX, VAX/VMS
Document Generator (DocGen) Cross Referencing Tool, Redocumenter	909-625-6147 Ada, C	Software Systems Design, Inc. HP, PC/MS-DOS, RISC 6000, Sun/Sun OS, VAX/VMS
Documentation-Aid, MVS (Doc-Aid) Cross Referencing Tool, Redocumenter, Structure Checker	800-93-ALLEN Assembler, COBOL	Allen Systems Group MVS/ESA, MVS/XA
Documentor Redocumenter	508-682-2100 C	i-Logix VMS, UNIX
DOSSIER BROWSE Cross Referencing Tool, Functional Simulator, Redocumenter, Syntax & Semantics Analyzer	503-297-3567	Systemware Laboratories, Inc. ESA, /VSE

*Software Technology Support Center (STSC)*

<b>Product Name Tool Types</b>	<b>Phone Languages</b>	<b>Vendor Name Platform/Operating System</b>
DOSSIER PROVE Auditor, Comparator, Cross Referencing Tool, Defect/Change Tracker, Redocumenter, Reverse Engineering	503-297-3567 All	Systemware Laboratories, Inc. ESA, /VSE
Eagle Redocumenter, Status Displayer, Structure Checker	408-995-0270 , C, FORTRAN	QED Software Inc. UNIX/Window 3.0
EAGLESCAN Reverse Engineering	801-328-6763 Assembler	Intl. Business Machines Corp. IBM/MVS, IBM/VM
EasyCASE Data Reengineering, Forward Engineering, Reverse Engineering	206-881-5149	Evergreen CASE Tools Windows, PC/MS-DOS, PC/Windows
EasyCODE Reverse Engineering	919-859-9364 C++, COBOL	John Liedl, PhD Consulting, S/W, & Machi UNIX/Windows
EiffelCase Forward Engineering, Reverse Engineering	805-685-1006	Interactive Software Engineering, Inc.
Ensemble Complexity Measurer, Coverage/Frequency Analyzer, Cross Referencing Tool, Forward Engineering, Requirements-Based Test Case Generator, Reverse Engineering, Structure Checker, Test Data Generator	800-743-2273 C	Cadre Technologies, Inc. AIX, /Sun OS, /ULTRIX
Ensemble Viewer Forward Engineering, Reverse Engineering	800-743-2273 C	Cadre Technologies, Inc. HP, IBM, Sun
Environment for Code Re-Engineering (ENCORE) Complexity Measurer, Data Reengineering, Restructurer, Source Code Translator	518-387-5457 CMS-2, FORTRAN, JOVIAL	General Electric Co. (R & D) Sun/Sun OS
EPOS Forward Engineering, Redocumenter, Reverse Engineering	212-686-3790 Ada, C, FORTRAN, Pascal	Software Products & Services, Inc. DEC/VMS, HP/HP-UX, PC/MS-DOS, Sun/OS/2, VAX/VMS
EPOS 2000 (EPOS 90) Code Generator, Redocumenter	4989-613040 All	GPP Ges fur Prozessrechnerprogrammierung HP-UX, DEC, PC/MS-DOS, Sun
ER-Designer Reverse Engineering	504-928-5765 C	Chen & Associates, Inc. PC/MS-DOS
ERwin/BRX Code Generator, Forward Engineering, Reverse Engineering	703-761-6741 SQL	Logic Works PC/Windows, Sun, UNIX
ESW Documentation Redocumenter	303-740-6668 CICS, COBOL, COBOL II, DB2, IDMS	ViaSoft, Inc. OS/2, MVS/ESA, MVS/XA
Excelerator for Design Recovery Complexity Measurer, Forward Engineering, Redocumenter, Reverse Engineering, Size Measurer, Structure Checker, Syntax & Semantics Analyzer	800-777-8858 COBOL	Intersolv PC/MS-DOS

*Appendix A.2: Reengineering Products List by Name*

<b>Product Name Tool Types</b>	<b>Phone Languages</b>	<b>Vendor Name Platform/Operating System</b>
Excell 930 Code Generator, Cross Referencing Tool, Debugger, Emulator, Retargeting, Structure Checker	408-733-7837 Assembler, C, C++	Step Engineering PC, Sun
Existing Systems Workbench (ESW) Debugger, Reverse Engineering, Structure Checker	303-740-6668 COBOL	ViaSoft, Inc. IBM/MVS
Expert Debugging Software Assistant (EDSA) Debugger, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer	416-736-0900 Ada	Array Systems Computing Products, Inc. UNIX, PC/MS-DOS, Sun/Sun OS, VAX/VMS
ExpressC/Ada Code Generator, Code-Based Test Case Generator, Data Reengineering, Reverse Engineering	508-682-2100 Ada	i-Logix VMS, UNIX
EXTRACT Data Extractor, Data Reengineering, Retargeting	512-346-3813 All	Evolutionary Technologies, Inc. Pyramid, RISC 6000, Sun/SPARC
F-SCAN Cross Referencing Tool, Redocumenter, Structure Checker, Syntax & Semantics Analyzer	415-989-7223 FORTRAN, PL/1	Intl. Logic Corp. DEC, DG, IBM, Prime
Flowmark Business Process Reengineering	801-328-6763 C++	Intl. Business Machines Corp. OS/2, IBM/AIX
FORCE Code Generator, Complexity Measurer, Cross Referencing Tool, Forward Engineering, Maintainability Analyzer, Reverse Engineering, Source Code Translator, Structure Checker, Syntax & Semantics Analyzer	719-475-8781 FORTRAN	Personyx UNIX/MS-DOS
FORTRAN 77 Programmer's Assistant III Source Code Translator	408-296-3478 FORTRAN	MicroTools PC/MS-DOS, Sun
Fortran Development Tools Reformatter, Restructurer, Source Code Translator	719-527-1384 FORTRAN	Quibus Enterprises, Inc. OS/2, PC/MS-DOS, UNIX, VAX/VMS
FORTRAN Reverse Eng & Document System (FREDoc) Auditor, Reverse Engineering, Structure Checker	909-625-6147 FORTRAN	Software Systems Design, Inc. DG, HP/VMS, PC/MS-DOS, RISC 6000, Sun/VMS, UNIX/VMS, VAX/VMS
FORTRAN-lint Cross Referencing Tool, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer	800-944-5468 FORTRAN	IPT Corp. AIX, /HP-UX, /OSF/1, /Solaris2.1, /ULTRIX, Sun/Sun OS, VAX/VMS
FORTRANgen Code Generator, Forward Engineering, Redocumenter, Reverse Engineering, Structure Checker	301-309-8783 FORTRAN	Leverage Technologists IBM, PC
FORWARN Cross Referencing Tool, Reliability Analyzer, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer	719-527-1384 FORTRAN	Quibus Enterprises, Inc. MS-DOS, PC/OS/2, UNIX, VAX/VMS
FOR_C Source Code Translator	404-518-1116 C, FORTRAN	Cobalt Blue, Inc. HP/HP-UX, IBM, PC/MS-DOS, SGraphics, Sun/SPARC, VAX/VMS



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<b>Product Name</b> <b>Tool Types</b>	<b>Phone</b> <b>Languages</b>	<b>Vendor Name</b> <b>Platform/Operating System</b>
FOR_C++ Source Code Translator	404-518-1116 C++, FORTRAN	Cobalt Blue, Inc. IBM, PC/MS-DOS, Sun/SPARC, VAX/VMS
FOR_STRUCT Redocumenter, Reformatter, Restructurer, Structure Checker	404-518-1116 FORTRAN	Cobalt Blue, Inc. HP, PC/MS-DOS, RISC 6000, Sun/Sun OS, VAX/VMS
FOR_STUDY Cross Compiler, Debugger, Defect/Change Tracker, Redocumenter	404-518-1116 FORTRAN	Cobalt Blue, Inc. HP-UX, PC/MS-DOS, Sun/Sun OS
Foundation SQL Retargeting, Reverse Engineering	415-948-7920 COBOL, TAL	Menlo Business Systems, Inc. Tandem
Foundation Translator Data Reengineering, Retargeting, Reverse Engineering	415-948-7920 COBOL	Menlo Business Systems, Inc. Tandem/OS
Foundation Vista10 Forward Engineering, Redocumenter, Reverse Engineering, C++ Structure Checker	415-948-7920 C++	Menlo Business Systems, Inc. Mac/Mac OS
FreeFlow Forward Engineering, Reverse Engineering, Structure Checker	310-458-0092 PDL	Iconix Software Engineering, Inc. IBM, Mac, Sun
GPSA Cross Referencing Tool, Reusable Components Identifier, Reverse Engineering, Syntax & Semantics Analyzer	619-429-0121 COBOL	COBOL Maintenance Technologies PC/MS-DOS
GrafBrowse Complexity Measurer, Cross Referencing Tool, Reverse Engineering, Size Measurer	909-625-6147 Ada, C, FORTRAN	Software Systems Design, Inc. DG, HP/VMS, PC/MS-DOS, RISC 6000, Sun/VMS, UNIX/VMS, VAX/VMS
Hindsight Complexity Measurer, Coverage/Frequency Analyzer, Cross Referencing Tool, Performance/Timing Analyzer, Reliability Analyzer, Reverse Engineering, Size Measurer, Structure Checker, Syntax & Semantics Analyzer, Test Instrumenter	408-492-1668 C, C++, FORTRAN	Advanced Software Automation, Inc. DECstation/ULTRIX, HP-9000, Sun/Sun OS, VAXstation/ULTRIX
HP Ada/300 Development System Compiler, Cross Referencing Tool, Debugger, Redocumenter, Reformatter	800-752-0900 Ada	Hewlett-Packard HP-9000
Huron Forward Engineering, Library, Reverse Engineering, Screen Painter	408-746-6000 Assembler, COBOL, PL/1	Amdahl Corp. PC/VMS, Sun, UNIX
Hypersoft Application Browser (HAB) Source Code Translator	617-864-8860 COBOL	Hypersoft Corp. DEC/VMS
IE: Advantage Data Reengineering, Expert System Shell, Forward Engineering, Rule-Based Shell	703-739-2242 DB2, JCL, ORACLE, Sybase	Information Engineering Systems Corp. Windows, PC/MS-DOS
Information Systems Engineering Env. (ISEE) Code Generator, Data Reengineering, Forward Engineering, C, C++ Redocumenter, Reverse Engineering	703-875-8799 C, C++	Westmount USA, Inc. MS-DOS, /UNIX, /VMS

*Appendix A.2: Reengineering Products List by Name*

<b>Product Name</b> <b>Tool Types</b>	<b>Phone</b> <b>Languages</b>	<b>Vendor Name</b> <b>Platform/Operating System</b>
IntegrAda Code Generator, Commenter, Compiler, Forward Engineering, Linker, Redocumenter, Reformatter, Session Documenter, Structure Checker	619-431-7714 Ada	Aetech PC/MS-DOS
Integrated Design Automation System (IDAS) Code Generator, Compiler, Network Simulator, Retargeting, Simulator	714-974-2201 Ada, C	JRS Research Laboratories, Inc. PC/MS-DOS, Sun/Sun OS
Integrity Programming Environment Data Reengineering	617-338-0300 VSAM	Vality Technology, Inc. IBM/MVS
InterCASE KnowledgeWare Gateway (IKG) Cross Referencing Tool, Retargeting, Reverse Engineering, Syntax & Semantics Analyzer	703-385-1515 CICS, COBOL, IMS	InterPort Software Corp. PC/MS-DOS, PC/OS/2
InterCycle Data Reengineering, Reverse Engineering	703-385-1515 CICS, COBOL, DB2, IMS, JCL, VSAM	InterPort Software Corp. PC/OS/2
Interleaf 6 Data Reengineering	617-290-0710	Interleaf, Inc. DECstation, HP/Domain, RISC 6000, Sun, VAX
J73 Automated Verification System (J73AVS) Auditor, Code Change Monitor, Complexity Measurer, Coverage/Frequency Analyzer, Reverse Engineering, Size Measurer	513-255-4472 JOVIAL	ASV/SCEL VAX/UNIX, VAX/VMS
JCL/Convert Cross Referencing Tool, Reverse Engineering	303-321-2205 JCL	MB Solutions, Inc. MVS, IBM/MPS10
JOVIAL Analysis and Conversion Kit (JACK) Complexity Measurer, Cross Referencing Tool, Reusable Components Identifier, Reverse Engineering, Size Measurer, Source Code Translator	719-475-8781 JOVIAL	Personyx PC/MS-DOS, Sun/Sun OS
JOVIAL Reverse Engineering Technology (JRET) Reverse Engineering	518-387-5457 JOVIAL	General Electric Co. (R & D) Sun/Sun OS
JOVIAL Reverse Engineering Toolset (JRETS) Complexity Measurer, Retargeting, Reverse Engineering, Structure Checker	801-777-9731 JOVIAL	Software Technology Support Center Sun/SPARC
JOVIAL/ADA TRANSLATOR Source Code Translator	310-334-3437 JOVIAL	Hughes Aircraft/Radar Systems UNIX
LabVIEW Compiler, Reverse Engineering, Statistical Analyzer	512-794-0100 C	National Instruments Mac, Sun/Windows
LANSA Code Generator, Debugger, Forward Engineering, Reverse Engineering, Screen Painter	708-323-7779	LANSA USA, INC. AS/400, IBM/OS/2, PC
Logiscope Auditor, Complexity Measurer, Coverage/Frequency Analyzer, Restructurer, Reverse Engineering, Size Measurer, Structure Checker	800-424-3095 Ada, Assembler, Atlas, C, C++, CMS, COBOL, FORTRAN, Modula-2, Pascal, PDL, PL/I, PL/M	Verilog, Inc. UNIX, Apollo/Aegis, HP-9000/HP-UX, IBM/CMS, IBM/MVS, IBM/MVS/XA, IBM/VM, MicroVAX/MicroVMS, RISC 6000, Sun/Sun OS, VAX/ULTRIX, VAX/VMS

*Software Technology Support Center (STSC)*

<b>Product Name Tool Types</b>	<b>Phone Languages</b>	<b>Vendor Name Platform/Operating System</b>
LOOK & FEEL Code Generator, Forward Engineering	508-872-8700 x370 C	LIANT Software Corp. PC/MS-DOS, PC/OS/2, Sun/Sun OS, UNIX, VAX/VMS
LYDDIA Reverse Engineering	617-862-6246 Ada, C++	Cascade Software Systems, Inc. PC
M.A.T.I.S.S.E. Data Reengineering	617-354-4220 Ada, C, C++	ADB, Inc. Solaris2.1, /Windows, HP/HP-UX, Mac, Sun/Sun OS, VAX/VMS
MacDesigner Data Reengineering, Redocumenter	515-752-5359	Excel Software Mac/A/UX
MACYACC Code Generator, Source Code Translator, Syntax & Semantics Analyzer	503-244-5253 Ada, Basic, C, C++, COBOL, FORTRAN, Pascal, PL/1, Smalltalk, SQL	ABRAXAS Software, Inc. A/UX, /MS-DOS, Apollo/IMS/DC, IBM/AIX, Mac, Sun/Sun OS
Maintainer's Assistant Restructurer, Reverse Engineering	44 91 386 0420	Centre for Software Maintenance Ltd. Sun
Maintenance Workbench Redocumenter	800-777-8858 COBOL	Intersolv MVS, /OS/2, /Windows
Mesa/CASE Tool Interface (Mesa/CTI) Retargeting	401-421-9390 C	Mesa Systems Guild, Inc. HP/Domain, IBM, Sun, VAX/VMS
Mesa/Postscript Support for CASE (Mesa/PS) Data Reengineering	401-421-9390	Mesa Systems Guild, Inc. Sun/Solaris2.1, Sun/Sun OS
Mesa/Teamwork Model Bridge (Mesa/TMB) Data Name Rationalizer, Data Reengineering, Reusable Components Identifier	401-421-9390 C	Mesa Systems Guild, Inc. HP/Domain, IBM, Sun, VAX/VMS
METAgen Forward Engineering, Reverse Engineering	708-355-8300 CICS, COBOL, VSAM	Dynasty Technologies, Inc. IBM/MVS, IBM/VSE, PC/MS-DOS
Metamorphosis Source Code Translator	919-929-6863 Assembler, CMS, CMS-2, FORTRAN, JOVIAL, PL/1	J.H. Shannon Associates, Inc. PC/MS-DOS
Micro Focus Cobol/2 Workbench Capture-Replay Tool, Coverage/Frequency Analyzer, Debugger, Forward Engineering, Screen Painter, Structure Checker, Test Execution Manager	415-856-4161 COBOL II	Micro Focus, Inc. PC/OS/2, PC/Window 3.0
MicroSTEP Defect/Change Tracker, Forward Engineering, Run-Time Error Checker	800-727-7837 C	SYSCORP Intl. PC/MS-DOS
Migration Workbench Forward Engineering	703-385-1515 COBOL	InterPort Software Corp. PC/OS/2
Military Standard Document Conversion (MSDC) Redocumenter	512-338-5700	Intl. Software Systems, Inc.
Mozart Restructurer	415-340-1588 DB2, SQL	Mozart Systems Corp. MS-DOS, /OS/2, PC/Windows

*Appendix A.2: Reengineering Products List by Name*

<b>Product Name</b> <b>Tool Types</b>	<b>Phone</b> <b>Languages</b>	<b>Vendor Name</b> <b>Platform/Operating System</b>
MPS/400 Source Code Translator	801-328-6763	Intl. Business Machines Corp.
Navigator Cross Referencing Tool, Redocumenter, Reverse Engineering	315-685-6918 Assembler, JCL, VTOC	A+ Software, Inc. IBM
NETRON/CAP Forward Engineering	416-636-8333 CICS, COBOL	Netron, Inc. VMS, PC/OS/2, RISC 6000/AIX
OBJECT IE Code Generator, Library, Redocumenter, Reverse Engineering, Screen Painter	800-638-2273 C, C++	IPSYS Software
Object Management Workbench (OMW) Business Process Reengineering, Reverse Engineering	415-965-5700 C	IntelliCorp HP/HP-UX, Sun/Sun OS
Object Oriented Tool (OOT) Restructurer	800-634-0150 C++	McCabe & Assoc., Inc. PC
Object-Oriented Structured Design/C++ Forward Engineering, Redocumenter, Reusable Components Identifier, Reverse Engineering	800-888-4331 C++	Interactive Development Environments DEC, DECstation, HP, IBM, Sun/SPARC
ObjectCenter Compiler, Cross Referencing Tool, Debugger, Linker, Source Code Translator, Structure Checker	703-749-1100 C, C++	CenterLine Software, Inc. HP, IBM, Sun, UNIX,
Objectivity/DB Reverse Engineering	415-688-8000 C, C++	Objectivity, Inc. DEC, HP, IBM, NCR, Sun
ObjectMaker Code Generator, Forward Engineering, Reusable Components Identifier, Reverse Engineering	818-995-7671 Ada, C, C++, COBOL	Mark V Systems Apollo/UNIX, DEC, DG, HP/HP-UX, IBM, Mac/Mac OS, MIPS, PC/MS-DOS, RISC 6000, Sun/Sun OS
OLGA Reverse Engineering	617-455-0949 JCL	Global Software, Inc. SQL
OmniMark Code Generator, Source Code Translator	800-565-9465 SGML	EXOTERICA Mac, PC, UNIX, VAX/VMS
OMTool (OMT) Forward Engineering	800-438-7246 C++	Advanced Concepts Center HP/HP-UX, PC/Window 3.0, Sun/Sun OS
ONTOS VIA/OIS Forward Engineering, Reverse Engineering	617-272-7110 C++	ONTOS, Inc. Sun, UNIX
Open ACCLIM8 Compiler, Debugger, Retargeting, Structure Checker, Syntax & Semantics Analyzer	303-863-8088 FORTRAN	Accelr8 Technology Corp. Solaris2.1, DECstation, Harris, HP, IBM, Sequent, Sun/VMS
Open BASIC Retargeting, Source Code Translator	303-863-8088 C	Accelr8 Technology Corp. Solaris2.1, HP, IBM, Sun, VAX
Open Interface Forward Engineering, Reverse Engineering	415-321-4488 C	Neuron Data UNIX, Mac/Mac OS, PC/MS-DOS, PC/OS/2, VAX/VMS
Open TRANSL8 Data Extractor, Data Reengineering, Retargeting	303-863-8088 All	Accelr8 Technology Corp. DECstation, HP, IBM, Sun, UNIX, VAX/VMS

*Software Technology Support Center (STSC)*

<b>Product Name Tool Types</b>	<b>Phone Languages</b>	<b>Vendor Name Platform/Operating System</b>
OpenODB Data Reengineering, Forward Engineering	800-752-0900 C	Hewlett-Packard HP-UX, /MPE
Pacbase with Pacreverse Reverse Engineering	203-249-7258 COBOL	CGI Systems, Inc. IBM/MVS, PC/OS/2
PACREVERSE Cross Referencing Tool, Reverse Engineering, Structure Checker	203-249-7258 COBOL	CGI Systems, Inc. PC/MS-DOS
Panorama C++ Complexity Measurer, Coverage/Frequency Analyzer, Cross Referencing Tool, Data Reengineering, Debugger, Forward Engineering, Performance/Timing Analyzer, Redocumenter, Reverse Engineering, Size Measurer, Structure Checker, Syntax & Semantics Analyzer	510-494-8888 C++	International Software Automation, Inc. HP, IBM, Sun/Sun OS
Panorama C++/OO-Analyzer Auditor, Complexity Measurer, Cross Referencing Tool, Language Sensitive Editor, Redocumenter, Reverse Engineering, Syntax & Semantics Analyzer	510-494-8888 C++	International Software Automation, Inc. Sun/Sun OS
Panorama C++/OO-Browser Complexity Measurer, Cross Referencing Tool, Forward Engineering, Redocumenter, Restructurer, Reverse Engineering, Structure Checker	510-494-8888 C++	International Software Automation, Inc. Sun/Sun OS
Panorama C++/OO-Diagrammer Complexity Measurer, Redocumenter, Reverse Engineering, Status Displayer, Structure Checker	510-494-8888 C++	International Software Automation, Inc. Sun/Sun OS
Panorama C++/OO-SQA Auditor, Complexity Measurer, Maintainability Analyzer, Reformatter, Reverse Engineering	510-494-8888 C++	International Software Automation, Inc. Sun/Sun OS
Paradigm Plus Code Generator, Reverse Engineering, Text Editor	713-480-3233 C, C++	Protosoft, Inc. OS/2, /Solaris2.1, HP/HP-UX, IBM/AIX, PC/Windows, Sun/Sun OS
PARITY Forward Engineering	800-726-1637 DB2, SQL	Legent Corp. VM, AS/400, MVS, Tandem, UNIX, VAX/VMS
Pastran Source Code Translator	608-251-3133 Pascal	R.R. Software, Inc. UNIX, PC/MS-DOS, PC/UNIX
PATHVU Complexity Measurer, Cross Referencing Tool, Reverse Engineering, Structure Checker, Symbolic Execution Tool	810-737-7300 COBOL, SQL	Compuware Corp. IBM/MVS, PC/MS-DOS
PC DICTIONARY Code Generator, Forward Engineering, Redocumenter, Reverse Engineering	703-671-0700 DB2	Software Solutions, Inc. PC/MS-DOS
PenAnalysis Modeling Tools Business Process Reengineering	800-624-6176	Hitachi Software Engineering America IBM, PC
Persistence Code Generator, Reverse Engineering	415-341-7733 C++, SQL	Persistent Software HP-UX, /Solaris2.1, Sun/Sun OS

*Appendix A.2: Reengineering Products List by Name*

<b>Product Name</b> <b>Tool Types</b>	<b>Phone</b> <b>Languages</b>	<b>Vendor Name</b> <b>Platform/Operating System</b>
PLASMA Case-Based Reasoning, Coverage/Frequency Analyzer, Cross Referencing Tool, Reverse Engineering, Run-Time Error Checker, Status Displayer, Structure Checker, Syntax & Semantics Analyzer	512-327-5344 COBOL	American InterFace Computer, Inc. UNIX
plusFORT Redocumenter, Reformatter, Restructurer, Syntax & Semantics Analyzer	717-222-9100 FORTRAN	OTG Systems, Inc. PC/MS-DOS, UNIX/VMS
PM/SS Data Name Rationalizer, Data Reengineering, Redocumenter, Restructurer, Reverse Engineering	415-974-6699 Assembler, CICS, COBOL, DBMS, JCL, PL/I	Adpac Corp. IBM/MVS
POET Reverse Engineering	408-748-3403 C++	Poet Software Corp. OS/2, /Windows, PC/MS-DOS
PowerDesigner Capture-Replay Tool, Forward Engineering, Reverse Engineering	617-535-7350	Cognos Corp. IBM/OS/2
PowerPDL Reverse Engineering	310-458-0092 Ada, C, FORTRAN, Pascal, PDL	Iconix Software Engineering, Inc. UNIX, Mac/Mac OS, PC/MS-DOS, Sun/Sun OS
PowerTools Forward Engineering	310-458-0092 Ada, C, FORTRAN, Pascal, PDL	Iconix Software Engineering, Inc. UNIX, Mac/Mac OS, PC/MS-DOS, Sun/Sun OS
Predict Forward Engineering, Reverse Engineering, Structure Checker	800-843-9534 Assembler, COBOL, DB2, FORTRAN, PL/I	Software AG of North America, Inc. OS/2, IBM/MS-DOS
PRIDE Information Factory (PRIDE) Business Process Reengineering, Forward Engineering, Redocumenter	813-786-4567	M. Bryce & Associates, Inc. IBM/OS/2
PRODOC re/NuSys Workbench Complexity Measurer, Coverage/Frequency Analyzer, Cross Referencing Tool, Forward Engineering, Redocumenter, Restructurer, Reusable Components Identifier, Reverse Engineering, Simulator, Source Code Translator, Structure Checker, Syntax & Semantics Analyzer	610-664-1207 Ada, C, C++, COBOL, FORTRAN, Pascal	SCANDURA--Software Conversion. UNIX, DEC/OSF/1, IBM/AIX, PC/MS-DOS, PC/OS/2, Sun/Solaris2.1, Sun/SPARC, Sun/Sun OS
PROMULA.FORTRAN Source Code Translator	614-263-5512 FORTRAN	Promula Development Corp. HP, IBM, Mac, PC/MS-DOS, Sun, UNIX, VAX/VMS
Ptech Business Process Reengineering, Code Generator, Reverse Engineering	508-366-9166 C, C++	Associative Design Technology Solaris2.1, DEC/ULTRIX, HP/HP-UX, IBM, SGraphics, Sun/SPARC
Q/Artisan Auditor, Commenter, Redocumenter, Restructurer, Retargeting	800-288-9510 COBOL	Eden Systems Corp. IBM/MVS,

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<b>Product Name</b> <b>Tool Types</b>	<b>Phone</b> <b>Languages</b>	<b>Vendor Name</b> <b>Platform/Operating System</b>
Q/ARTISAN PC Auditor, Commenter, Redocumenter, Restructurer, Retargeting	800-288-9510 COBOL	Eden Systems Corp. MS-DOS, PC/OS/2
QA C Auditor, Complexity Measurer, Debugger, Defect/Change Tracker, Maintainability Analyzer, Reliability Analyzer, Restructurer, Reusable Components Identifier, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer	603-889-2230 C	ASTA, Inc. Convex, Cray, DEC, HP, IBM, RISC 6000, SCO/UNIX, SGraphics, Sun, UNIX
QA C++ Auditor, Complexity Measurer, Defect/Change Tracker, Maintainability Analyzer, Reliability Analyzer, Restructurer, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer	603-889-2230 C++	ASTA, Inc. PC, UNIX
QA FORTRAN Auditor, Complexity Measurer, Debugger, Defect/Change Tracker, Maintainability Analyzer, Reliability Analyzer, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer	603-889-2230 FORTRAN	ASTA, Inc. Alliant/UNIX, Convex/UNIX, Cray/UniCOS, DEC/ULTRIX, HP-9000/HP-UX, RISC 6000, SGraphics, Solbourne/UNIX, Sun/Sun OS, VAX/VMS
QualityFirst C Complexity Measurer, Coverage/Frequency Analyzer, Cross Referencing Tool, Redocumenter, Reverse Engineering, Structure Checker, Test Instrumenter	510-494-8888 C	International Software Automation, Inc. PC/MS-DOS
Rational Rose (Rose) Code Generator, Forward Engineering, Reverse Engineering	303-986-2006 Ada, C++	Rational Software, Corp. Windows, PC/OS/2, RISC 6000/UNIX, Sun/SPARC, Sun/Sun OS
RE-DOC Redocumenter, Reverse Engineering, Structure Checker	4989-613040 Ada, C, CMS-2, FORTRAN, MACRO, Pascal	GPP Ges fur Prozessrechnerprogrammierung DEC, HP, PC, Sun, VAX, VAXstation
Re-Engine Documentor/Migrator Source Code Translator	703-934-3401 COBOL, PL/1	ICF Information Technology, Inc. PC/MS-DOS
Re-Engineering Product Set Reverse Engineering	703-934-3401 Ada, C, COBOL, Pascal	ICF Information Technology, Inc. DB2
RE-SPEC Redocumenter, Reverse Engineering, Source Code Translator, Structure Checker	4989-613040 Ada, C, CMS-2, FORTRAN, MACRO, Pascal	GPP Ges fur Prozessrechnerprogrammierung DEC, HP, HP/UNIX, IBM, PC/MS-DOS, Sun, Sun/Sun OS, VAX/VMS
RE/Cycle Reverse Engineering	800-825-1282 Ada IBM,	Price Waterhouse Re-Engineering Center
RE/CYCLE Reverse Engineering	203-249-7258 COBOL	CGI Systems, Inc. IBM/MVS
Re/Toolkit Reverse Engineering	404-371-9663 X200 CICS, COBOL	Reliance Consulting, Inc. PC
Recycle-SF Reverse Engineering	703-318-1180 COBOL	Virtual Software Factory Ltd. -

*Appendix A.2: Reengineering Products List by Name*

<b>Product Name Tool Types</b>	<b>Phone Languages</b>	<b>Vendor Name Platform/Operating System</b>
Recycle-SF/Recover Reverse Engineering	703-318-1180 CICS, COBOL, DB2	Virtual Software Factory Ltd. AIX, /OS/2, IBM/PS/2, Sun
Recycle-SF/Repair Code Generator, Forward Engineering, Reverse Engineering	703-318-1180 CICS, COBOL, DB2	Virtual Software Factory Ltd. AIX, /OS/2, IBM/PS/2, Sun
Reeng. Doc./Migrator - Source to CASE (RDMSCC) Reverse Engineering	703-934-3401 COBOL, PL/1	ICF Information Technology, Inc. PC/MS-DOS
REEngineering APplications (REAP) Maintainability Analyzer, Redocumenter	713-483-8080 FORTRAN	NASA Johnson Space Center —
REENgineering Environment and Workbench (REENEW) Code Generator, Cross Referencing Tool, Forward Engineering, Language Sensitive Editor, Redocumenter, Reformatter, Reverse Engineering, Source Code Translator, Structure Checker	407-282-6700 x260 C	Science Applications Int'l Corp. IBM/AIX, PC/MS-DOS
Refine/Ada Auditor, Redocumenter, Retargeting, Reverse Engineering, Ada Structure Checker, Syntax & Semantics Analyzer	415-494-6201	Reasoning Systems, Inc. HP, IBM/AIX, RISC 6000, Sun/Sun OS
Refine/C Auditor, Redocumenter, Retargeting, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer	415-494-6201 C	Reasoning Systems, Inc. HP, IBM/AIX, RISC 6000, Sun/Sun OS
Refine/Cobol Auditor, Redocumenter, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer	415-494-6201 COBOL	Reasoning Systems, Inc. HP, IBM/AIX, RISC 6000, Sun/Sun OS
Refine/Fortran Auditor, Redocumenter, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer	415-494-6201 FORTRAN	Reasoning Systems, Inc. HP, IBM/AIX, Sun/Sun OS
Reformat Restructurer	619-462-5400 COBOL	EDP Management, Inc. B2000/MCP, B4900/MCP
Requirements Driven Development (RDD) Restructurer, Reverse Engineering	408-943-0630 All	Ascent Logic Corp. PC, UNIX
Retrofit Restructurer	810-737-7300 IMS	Compuware Corp. MVS/ESA, PC/MS-DOS
RevAda/StP Capture-Replay Tool, Code Generator, Restructurer, Reverse Engineering	909-625-6147 Ada	Software Systems Design, Inc. Sun/Sun OS
Reveng Reverse Engineering	313-761-3370 Assembler, C, CMS-2, COBOL, FORTRAN, JCL, PL/1	Meta Systems for LBMS IBM, PC/MS-DOS, Pyramid, UNIX, VAX/VMS
Revengg Reverse Engineering	410-721-4433 COBOL, FORTRAN, JCL	Advanced Systems Technology Corp. HP/UNIX, IBM, PC/MS-DOS, VAX/VMS



*Software Technology Support Center (STSC)*

<b>Product Name Tool Types</b>	<b>Phone Languages</b>	<b>Vendor Name Platform/Operating System</b>
Reverse Engineering Tool Data Reengineering, Forward Engineering, Restructurer, Reverse Engineering	504-928-5765 DBMS	Chen & Associates, Inc. PC/MS-DOS
ROCHADE Library, Reverse Engineering	510-274-3830 C	R & O The Repository Company VM, /VMS, MVS, UNIX/OS/2
ROS/ADA Reverse Engineering, Structure Checker	303-986-2006 Ada	Rational Software, Corp. RISC 6000, Sun
SCAN/COBOL Auditor, Redocumenter, Reverse Engineering, Structure Checker, Symbolic Execution Tool, Syntax & Semantics Analyzer	301-921-7238 COBOL	Computer Data Systems, Inc. IBM
SchemaGen Case-Based Reasoning, Reverse Engineering	504-928-5765 DB2, IDMS, IMS	Chen & Associates, Inc. IMS/DC, DB2
SEER Code Generator, Defect/Change Tracker, Maintainability Analyzer, Optimizer, Reliability Analyzer, Reverse Engineering, Size Measurer, Structure Checker	310-670-3404 C, FORTRAN	Galorath Associates, Inc. Mac, PC
SILVERRUN-ERX Restructurer, Reverse Engineering	201-391-6500 DBMS	Computer Systems Advisers, Inc.
SmartChart Forward Engineering, Language Sensitive Editor, Reverse Engineering	310-458-0092 Ada, C, COBOL, FORTRAN, JOVIAL, LISP, Modula-2, Pascal	Iconix Software Engineering, Inc. Mac
SMARTgraph Reverse Engineering	800-761-5900 C	ProCASE Corp. DEC/UNIX, HP, IBM, Sun
SmartStar Restructurer	800-677-7827 C, COBOL, FORTRAN	SmartStar Corp. RISC 6000/ULTRIX, SCO/UNIX, Sun/Sun OS, VAX/VMS
SMARTsystem Complexity Measurer, Forward Engineering, Redocumenter, Reverse Engineering, Size Measurer, Syntax & Semantics Analyzer	800-761-5900 C, C++	ProCASE Corp. UNIX, Apollo/UNIX, DEC/UNIX, HP/HP-UX, HP/UNIX, IBM/AIX, MIPS, NCR, RISC 6000, Sun/Sun OS
SNiFF+ Cross Referencing Tool, Data Extractor, Forward Engineering, Reverse Engineering	800-944-5468 C, C++	IPT Corp. AIX, /HP-UX, /Solaris2.1, /Sun OS, /ULTRIX
Software One Exchange Retargeting, Structure Checker, Syntax & Semantics Analyzer	508-486-8922 C	Software One, Ltd. OS/2, IBM, PC/MS-DOS, UNIX
Software Reengineering Environment (SRE) Compiler, Forward Engineering, Restructurer, Retargeting, Reverse Engineering	215-845-0555 Ada, CMS-2	Computer Command and Control Co. DECstation, VAX/VMS
Software Refinery Auditor, Forward Engineering, Redocumenter, Restructurer, Reverse Engineering, Source Code Translator, Test Data Generator	415-494-6201 Ada, BAL, C, COBOL, FORTRAN, JCL, Natural, SQL	Reasoning Systems, Inc. HP, IBM/AIX, Sun/Sun OS

*Appendix A.2: Reengineering Products List by Name*

<b>Product Name</b> <b>Tool Types</b>	<b>Phone</b> <b>Languages</b>	<b>Vendor Name</b> <b>Platform/Operating System</b>
Software through Pictures (StP) Code Generator, Reverse Engineering, Structure Checker	800-888-4331 Ada, C++	Interactive Development Environments Apollo, DEC/ULTRIX, DEC/VMS, HP, Sun/Sun OS
Source Code Analyzer (SCA) Cross Referencing Tool, Reverse Engineering	310-472-7001 CMS-2, JOVIAL	Interlex PC/MS-DOS, PC/UNIX, Sun/Sun OS, VAX/ULTRIX, VAX/VMS
Source/RE Complexity Measurer, Cross Referencing Tool, Redocumenter, Reverse Engineering, Structure Checker	203-249-7258 CICS, COBOL, JCL	CGI Systems, Inc. IBM, PC/MS-DOS
SPAG Restructurer, Reverse Engineering	717-222-9100 FORTRAN	OTG Systems, Inc. HP/UNIX, IBM, Prime, Sun/Sun OS, VAX/VMS
SQLASSIST Data Extractor, Data Reengineering, Syntax & Semantics Analyzer	713-492-0707 DBMS	Software Interfaces, Inc. DEC/ULTRIX, HP, Mac, PC, RISC 6000, Sun, VAX/VMS
STARK Forward Engineering, Source Code Translator	703-369-1531 COBOL, COBOL II	VSS, Inc. PC/Windows
STATEMATE Redocumenter	508-682-2100 Ada, C	i-Logix VMS, Apollo, DEC/ULTRIX, HP/UNIX, IBM/RISC, Sun/Sun OS
Stp/OMT Forward Engineering, Redocumenter	800-888-4331 C++	Interactive Development Environments UNIX
Structure & Logic Analysis Module Complexity Measurer, Cross Referencing Tool, Redocumenter, Structure Checker	408-492-1668 C, C++, FORTRAN	Advanced Software Automation, Inc. Solaris2.1, HP/UNIX, IBM/AIX, Sun/Sun OS
superCASE (SCI) Cross Referencing Tool, Forward Engineering, Language Sensitive Editor, Reverse Engineering	212-354-8280 Ada, C, FORTRAN, JOVIAL, PL/M	Advanced Technology Intl. Corp. DEC/CMS, VAX/VMS
SuperNOVA Data Reengineering, Reverse Engineering, Source Code Translator	908-248-6667 C	Four Seasons Software PC/MS-DOS, UNIX/Windows
SUPERSTRUCTURE/RETOOL Redocumenter	301-921-7238 COBOL	Computer Data Systems, Inc. PC
SUPRe/DAISys Case-Based Reasoning, Commenter, Cross Referencing Tool, Forward Engineering, Frame-Based Shell, Reusable Components Identifier	203-323-0760 C, COBOL, SQL	S-CUBED, Inc. UNIX, PC/MS-DOS, PC/OS/2, PC/Window 3.0
SYNTran Retargeting, Structure Checker	818-956-0251 COBOL	Progeni Systems, Inc.
Teamwork/Ada Source Builder Forward Engineering	800-743-2273 Ada	Cadre Technologies, Inc. Domain, DEC/ULTRIX, HP/HP-UX, HP/VMS, IBM/AIX, Sun/Sun OS
Teamwork/ASG Builder Reusable Components Identifier, Reverse Engineering	800-743-2273 Ada	Cadre Technologies, Inc. UNIX, DEC/OS/2, DEC/UNIX, DEC/VMS, HP/UNIX, IBM/UNIX, Sun/Sun OS

*Software Technology Support Center (STSC)*

<b>Product Name Tool Types</b>	<b>Phone Languages</b>	<b>Vendor Name Platform/Operating System</b>
Teamwork/C Rev Reusable Components Identifier, Reverse Engineering	800-743-2273 C	Cadre Technologies, Inc. Domain, /ULTRIX, --, HP/HP-UX, IBM/AIX, IBM/OS/2, Sun/Sun OS, VAX/VMS
Teamwork/C Source Builder Forward Engineering	800-743-2273 C	Cadre Technologies, Inc. HP/HP-UX, PC/OS/2, Rational/Domain, Sun/Sun OS, VAX/AIX, VAX/ULTRIX, VAX/VMS
Teamwork/DocGen Redocumenter	800-743-2273 C	Cadre Technologies, Inc. DEC/ULTRIX, HP/HP-UX, IBM/AIX, Rational/Domain, Sun/Sun OS, VAX/VMS
Teamwork/FORTRAN Rev Reverse Engineering	800-743-2273 FORTRAN	Cadre Technologies, Inc. DEC/ULTRIX, HP/HP-UX, IBM/AIX, Rational/Domain, Sun/Sun OS, VAX/VMS
Teamwork/IM Data Reengineering, Redocumenter, Reusable Components Identifier	800-743-2273 C++, FORTRAN	Cadre Technologies, Inc. DEC/ULTRIX, HP/HP-UX, HP/OS/2, HP/VMS, IBM/AIX, Rational/Domain, Sun/Sun OS
Teamwork/OOD Forward Engineering	800-743-2273 C++	Cadre Technologies, Inc. DEC/ULTRIX, HP/HP-UX, HP/VMS, IBM/AIX, Rational/Domain, Sun/Sun OS
Technical Systems Engineering Environ. (TSEE) Code Generator, Forward Engineering, Reusable Components Identifier	818-597-9119 C	Westmount Technology bv Apollo/UNIX, DEC/UNIX, DEC/VMS, HP/UNIX, Pyramid/UNIX, RISC 6000/UNIX, Sequent/UNIX, Sun/UNIX
TeleUSE Debugger, Forward Engineering, Redocumenter, Screen Painter	619-457-2700 Ada, COBOL, Pascal	Telesoft.(Owned by Alsys) Apollo/Domain, DECstation/ULTRIX, DG, HP-9000/HP-UX, IBM/AIX, RISC 6000, Sun/Sun OS
The Data Design Facility (DDF) Restructurer, Reverse Engineering	212-691-0300	Magna Software Corp.
Toolbus Reverse Engineering	508-470-1167	Barton Group, Inc. PC/MS-DOS, VAX/VMS
Transition Engineering Facility (TEF) Data Reengineering, Reverse Engineering	800-336-5236 Ada, CICS, COBOL, IMS, VSAM	Texas Instruments IBM/OS
Translation Services Source Code Translator	516-499-4461 Assembler, Basic, COBOL, COBOL II, FORTRAN, Pascal, PL/1, PL/M	Micro-Processor Services, Inc. OS, /VM, /VSE, IBM/MS-DOS
TRANSLATION/MIGRATION SERVICE Data Reengineering, Restructurer, Retargeting, Source Code Translator	504-845-3322 CMS-2, COBOL, FORTRAN, JOVIAL, Pascal, PL/1	Alydaar Software Corp. PC/OS
Translator Forward Engineering, Redocumenter, Reverse Engineering, Source Code Translator, Structure Checker	515-752-5359 Basic, C, C++, FORTRAN, Pascal	Excel Software HP/HP-UX, Mac, Sun/Solaris2.1
Tree4(C, Fortran, Pascal) Forward Engineering, Redocumenter, Reverse Engineering	805-389-1778 C, FORTRAN, Pascal	+1 Software Engineering Sun/Sun OS,

*Appendix A.2: Reengineering Products List by Name*

<b>Product Name Tool Types</b>	<b>Phone Languages</b>	<b>Vendor Name Platform/Operating System</b>
Turbo-to-C Tools Reusable Components Identifier, Source Code Translator	503-745-5880 Pascal	TGL, Inc. PC/MS-DOS, UNIX
UIL/Trans Source Code Translator	909-583-9119 UIL	Advanced Technology Center Sun/Sun OS
UniKix Data Reengineering, Retargeting	301-595-9896 COBOL, VSAM	Encore Computer Corporation UNIX
UNISSET Capture-Replay Tool, Code Generator, Complexity Measurer, Coverage/Frequency Analyzer, Debugger, Forward Engineering, Test Execution Manager	313-972-7000 Ada, C, CMS-2, FORTRAN, Pascal	Unisys Sun/Sun OS
URMA Data Name Rationalizer, Data Reengineering, Reverse Engineering	617-455-0949 COBOL, PL/I	Global Software, Inc. SQL
VADScross Compiler, Debugger, Disassembler, Downloader, Emulator, Ada Linker, Optimizer, Recompiler, Retargeting	303-986-2006 Ada	Rational Software, Corp. DEC RISC, HP, IBM, RISC 6000, Sun/SPARC, Sun/Sun OS, VAX/ULTRIX
VADSmP Compiler, Disassembler, Linker, Optimizer, Recompiler, Retargeting	303-986-2006 Ada	Rational Software, Corp. SGraphics
VADSelf Compiler, Debugger, Disassembler, Emulator, Optimizer, Recompiler, Retargeting	303-986-2006 Ada	Rational Software, Corp. Windows, AT&T, DEC RISC, HP, PC/MS-DOS, RISC 6000, SGraphics, Sun/SPARC, Sun/Sun OS, VAX/ULTRIX, VAX/VMS
VADSWorks Compiler, Cross Assembler, Debugger, Disassembler, Downloader, Emulator, Linker, Retargeting, Run-Time Error Checker, Status Displayer	303-986-2006 Ada	Rational Software, Corp. HP-9000/HP-UX, Sun/Sun OS, VAX/ULTRIX, VAX/UNIX, VAX/VMS
VAX SCAN (SCAN) Data Reengineering, Redocumenter, Reformatter, Retargeting	800-344-4825 Ada, Assembler, C, C++, COBOL, FORTRAN, JOVIAL, Pascal, PL/I	Digital Equipment Corp. VAX/VMS
VAXset/Program Design Facility (VAXset/PDF) Auditor, Capture-Replay Tool, Coverage/Frequency Analyzer, Language Sensitive Editor, Performance/Timing Analyzer, Restructurer, Reverse Engineering, Test Execution Manager	800-344-4825 Ada, Assembler, C, C++, COBOL, FORTRAN, JOVIAL, Pascal, PL/I	Digital Equipment Corp. MicroVAX, MicroVAX/VMS, VAX, VAXstation
VIA/ALLIANCE Cross Referencing Tool, Data Reengineering, Redocumenter, Structure Checker	303-740-6668 CICS, COBOL, DB2, IDMS, JCL	ViaSoft, Inc. MVS/ESA, MVS/XA
VIA/Insight Reverse Engineering, Structure Checker	303-740-6668 COBOL, DBMS	ViaSoft, Inc. IBM/MVS
VIA/Renaissance Data Reengineering, Reverse Engineering, Structure Checker	303-740-6668 COBOL, DBMS	ViaSoft, Inc. IBM/MVS, MVS/ESA, MVS/XA

*Software Technology Support Center (STSC)*

<b>Product Name Tool Types</b>	<b>Phone Languages</b>	<b>Vendor Name Platform/Operating System</b>
VIA/SmartDoc Redocumenter, Structure Checker	303-740-6668 COBOL	ViaSoft, Inc. IBM/MVS
ViewCenter Code Generator, Forward Engineering	703-749-1100 C, C++	CenterLine Software, Inc. Sun/Sun OS, UNIX
VIEWS-SF Forward Engineering, Reverse Engineering	703-318-1180	Virtual Software Factory Ltd.
Visible Analyst Workbench (VAW) Code Generator, Redocumenter, Restructurer, Structure Checker	617-890-2273 C, COBOL, DB2, SQL	Visible Systems Corp. UNIX, /Window 3.0, PC/OS/2
VISION:Legacy Complexity Measurer, Cross Referencing Tool, Defect/Change Tracker, Redocumenter, Reliability Analyzer, Restructurer, Size Measurer, Structure Checker	818-716-1616 COBOL	Sterling Software, Inc. MVS, /OS/2
VISION:NorthStar Data Name Rationalizer, Data Reengineering, Reverse Engineering	214-891-8600 BMS, CICS, COBOL, DB2, VSAM	Sterling Software MS-DOS, /OS/2, /Windows
Vitro Automated Structured Testing Tool (VASTT) Complexity Measurer, Cross Referencing Tool, Data Reducer & Analyzer, Data Reengineering, Defect/Change Tracker, Forward Engineering, Maintainability Analyzer, Reliability Analyzer, Restructurer, Reverse Engineering, Size Measurer, Test Planner	301-231-1113 Ada, Assembler, C, CMS-2, COBOL, FORTRAN, JOVIAL, Pascal	Vitro Corp. Sun/Sun OS, VAX/VMS
WinScope Debugger, Performance/Timing Analyzer, Reverse Engineering, Status Displayer	800-722-7006 All	The Periscope Co., Inc. PC/Windows
WorkFlow Analyzer (WFA) Business Process Reengineering, Forward Engineering, Reverse Engineering	617-576-6920	Meta Software Corp. Mac, Sun/SPARC
X-ANALYSIS Auditor, Code Generator, Cross Referencing Tool, Data Name Rationalizer, Data Reengineering, Forward Engineering, Restructurer, Reverse Engineering, Structure Checker	800-444-9397 C, COBOL, RPG	Databorough, Inc. AS/400
XAda Code Generator, Commenter, Compiler, Forward Engineering, Language Sensitive Editor, Optimizer, Reformater, Structure Checker, Symbolic Execution Tool, Syntax & Semantics Analyzer Ada	619-431-7714 PC/UNIX,	Aetech
Xinotech Language Translator (XLT) Source Code Translator	612-379-3844 Ada, CMS-2, FORTRAN, JOVIAL, Pascal	Xinotech Research, Inc. Apollo/UNIX, HP/UNIX, Mac/Mac OS, PC/MS-DOS, VAX/VMS
Xinotech Program Composer Case-Based Reasoning, Forward Engineering, Redocumenter, Source Code Translator	612-379-3844 Ada, CMS-2, COBOL, JOVIAL, Modula-2, Pascal, SQL	Xinotech Research, Inc. Apollo/UNIX, DEC, HP/UNIX, Mac/Mac OS, PC, PC/MS-DOS, Sun, UNIX, VAX/VMS
XperCASE Code Generator, Data Reengineering, Forward Engineering, Reverse Engineering	+43 1 60 171-6522 All	Siemens Aktiengesellschaft Osterreich PC/Windows
XRAY Source Explorer Reverse Engineering, Structure Checker, Structure Checker	800-950-5554 C, C++	Microtec Research, Inc. Sun/Sun OS

**Appendix A.3: Reengineering Products List by Vendor**

*Software Technology Support Center (STSC)*

**Vendor Name**

**Tool Name**

+1 Software Engineering  
A+ Software, Inc.  
ABRAXAS Software, Inc.  
Accelr8 Technology Corp.  
ADB, Inc.  
Adpac Corp.  
Advanced Concepts Center  
Advanced Software Automation, Inc.  
  
Advanced Systems Concepts, Inc.  
Advanced Systems Technology Corp.  
Advanced Technology Center  
Advanced Technology Intl. Corp.  
Aetech  
Allen Systems Group  
Alydaar Software Corp.  
AMCI  
Amdahl Corp.  
American InterFace Computer, Inc.  
Andrulic Research Corp.  
Array Systems Computing Products, Inc.  
Ascent Logic Corp.  
Associative Design Technology  
ASTA, Inc.  
ASV/SCEL  
AutoCASE Technology  
Bachman Information Systems, Inc.  
  
Barton Group, Inc.  
CACI Advanced Technology Center  
Cadre Technologies, Inc.  
  
Carleton Corp.  
Cascade Software Systems, Inc.  
CenterLine Software, Inc.  
Centre for Software Maintenance Ltd.  
CGI Systems, Inc.

Data Dictionary Tree, Tree4(C, Fortran, Pascal)  
Automated Documentation System (ADS), Navigator  
CodeCheck, MACYACC  
DCL8, Open ACCLIM8, Open BASIC, Open TRANSL8  
M.A.T.I.S.S.E.  
PM/SS  
OMTool (OMT)  
ASA 20/20, AutoAnalyzer, AutoDiagrammer, AutoStructureChart,  
Code Generator, Hindsight, Structure & Logic Analysis Module  
ABSTRACT/PROBE  
Reveng  
AXI, Translate-CGM, UIL/Trans  
superCASE (SCI)  
Ada Software Development Toolset, IntegrAda, XAda  
Documentation-Aid, MVS (Doc-Aid)  
TRANSLATION/MIGRATION SERVICE  
Advanced Management Catalyst (AMCat)  
Huron  
PLASMA  
ANDRULIS/BPre+  
Expert Debugging Software Assistant (EDSA)  
Requirements Driven Development (RDD)  
Ptech  
QA C, QA C++, QA FORTRAN  
J73 Automated Verification System (J73AVS)  
AutoFlow  
BACHMAN Database Design, BACHMAN/ANALYST,  
BACHMAN/Analyst Capture, BACHMAN/Analyst Link,  
BACHMAN/CONVERTER, BACHMAN/DBA, Designer  
Toolbus  
SIMPROCESS  
DB Data Analyzer, Ensemble, Ensemble Viewer, Teamwork/Ada  
Source Builder, Teamwork/ASG Builder, Teamwork/C Rev,  
Teamwork/C Source Builder, Teamwork/DocGen,  
Teamwork/FORTRAN Rev, Teamwork/IM, Teamwork/OOD  
CQS-Data Engineer (CQS)  
LYDDIA  
ObjectCenter, ViewCenter  
Maintainer's Assistant  
Pacbase with Pacreverse, PACREVERSE, RE/CYCLE, Source/RE

*Appendix A.3: Reengineering Products List by Vendor*

**Vendor Name**

**Tool Name**

Chen & Associates, Inc.	Chen Workbench, DDS-Link, ER-Designer, Reverse Engineering Tool, SchemaGen
CLEAR Software, Inc.	allCLEAR, CLEAR Plus
Cobalt Blue, Inc.	FOR_C, FOR_C++, FOR_STRUCT, FOR_STUDY
COBOL Maintenance Technologies	GPSA
Cognos Corp.	PowerDesigner
Computer Associates Intl.	CA-MetaCOBOL+, CA-MIGRATE/COBOL, CA-TELON, CA-TELON PWS
Computer Command and Control Co.	Software Reengineering Environment (SRE)
Computer Data Systems, Inc.	COBOL/METRICS, CONFIGURE, SCAN/COBOL, SUPERSTRUCTURE/RETOOL
Computer Sciences Corp.	DESIGN GENERATOR
Computer Systems Advisers, Inc.	SILVERRUN-ERX
Compuware Corp.	DATATEC, PATHVU, Retrofit
Concurrent Computer Corp.	ADAPRETY
Databorough, Inc.	X-ANALYSIS
David R. Black & Assoc., Inc.	COBOL Program Generator (CPG)
DBStar, Inc.	DB Designer, DBStar
Digital Equipment Corp.	DEC FUSE, VAX SCAN (SCAN), VAXset/Program Design Facility (VAXset/PDF)
Dynasty Technologies, Inc.	METAgen
Eden Systems Corp.	Q/Artisan, Q/ARTISAN PC
EDP Management, Inc.	Reformat
Encore Computer Corporation	TranZform, UniKix
Evergreen CASE Tools	EasyCASE
Evolutionary Technologies, Inc.	EXTRACT
Excel Software	MacDesigner, Translator
EXOTERICA	OmniMark
Flexus International Corporation	COBOL spII
Four Seasons Software	SuperNOVA
Further Inspection	Design Review-Scope
Galorath Associates, Inc.	SEER
General Electric Co. (R & D)	CMS-2 Reverse Engineering Technology, Environment for Code Re-Engineering (ENCORE), JOVIAL Reverse Engineering Technology (JRET)
General Research Corp.	AdaQuest
Gimpel Software	C-Vision for C
Global Software, Inc.	\$NAME, OLGA, URMA
GPP Ges für Prozessrechnerprogrammierung	EPOS 2000 (EPOS 90), RE-DOC, RE-SPEC
GrammaTech, Inc.	Ada-ASSURED
Hewlett-Packard	AdaFormat, HP Ada/300 Development System, OpenODB
Hitachi Software Engineering America	PenAnalysis, PenAnalysis Modeling Tools
Hughes Aircraft/Radar Systems	JOVIAL/ADA TRANSLATOR
Hypersoft Corp.	Application Browser, Hypersoft Application Browser (HAB)
i-Logix	Documentor, ExpressC/Ada, STATEMATE
ICF Information Technology, Inc.	Automated Source Code Conv. Sys. for Ada (ASCCSA), Re-Engine Documentor/Migrator, Re-Engineering Product Set, Reeng.



*Software Technology Support Center (STSC)*

**Vendor Name**

**Tool Name**

Iconix Software Engineering, Inc.	Doc./Migrator - Source to CASE (RDMSCC)
Information Engineering Systems Corp.	AdaFlow, DataModeler, FreeFlow, PowerPDL, PowerTools,
Integrated Systems, Inc.	SmartChart
IntelliCorp	IE: Advantage
intelligent ENVIRONMENTS	Autocode
Interactive Development Environments	CaseConnection/ADW, Object Management Workbench (OMW)
	Applications Manager (AM)
	Ada Development Environment, C Development Environments,
	C++ Development Environment, Object-Oriented Structured
	Design/C++, Software through Pictures (StP), Stp/OMT
	EiffelCase
Interactive Software Engineering, Inc.	Interleaf 6
Interleaf, Inc.	Source Code Analyzer (SCA)
Interlex	AdaMagic
Intermetrics, Inc.	Panorama C++, Panorama C++/OO-Analyzer, Panorama
International Software Automation, Inc.	C++/OO-Browser, Panorama C++/OO-Diagrammer, Panorama
	C++/OO-SQA, QualityFirst C
InterPort Software Corp.	InterCASE KnowledgeWare Gateway (IKG), InterCycle, Migration
	Workbench
Intersolv	Design Recovery Series, Excelerator for Design Recovery,
	Maintenance Workbench
Intl. Business Machines Corp.	COBOL Structuring Facility (COBOL/SF), EAGLESCAN,
	Flowmark, MPS/400
Intl. Logic Corp.	F-SCAN
Intl. Software Systems, Inc.	Military Standard Document Conversion (MSDC), PROSLCSE
IPSYS Software	OBJECT IE
IPT Corp.	COBOL-lint, FORTRAN-lint, SNIFF+
ITCN	Computer Tester Analyzer Controller (C-TAC)
J.H. Shannon Associates, Inc.	Metamorphosis
Jacobson Software, Inc.	COBOL Magic
John Liedl, PhD Consulting, S/W, & Machi	EasyCODE
JRS Research Laboratories, Inc.	Integrated Design Automation System (IDAS)
LANSA USA, INC.	LANSA
LBMS, Inc.	LBMS SYSTEMS ENGINEER
Legent Corp.	ACE*Tester, PARITY
Leverage Technologists	FORTRANgen
LIANT Software Corp.	C-SCAPE, LOOK & FEEL
Logic Works	BPwin, ERwin/ERX
M. Bryce & Associates, Inc.	PRIDE Information Factory (PRIDE)
M.D. Friedman Associates, Inc.	CONVERSION ENGINE, DATACOM to SQL Conversion Aid
Magna Software Corp.	The Data Design Facility (DDF)
Marble Computer, Inc.	COBOL Structuring Aid (CSA), DCD III
Mark V Systems	Adagen, ObjectMaker
MB Solutions, Inc.	JCL/Convert
McCabe & Assoc., Inc.	Battlemap Analysis Tool (BAT), BattlePlan, CodeBreaker, Object
	Oriented Tool (OOT)

*Appendix A.3: Reengineering Products List by Vendor*

**Vendor Name**

**Tool Name**

Menlo Business Systems, Inc.  
Mesa Systems Guild, Inc.

Meta Software Corp.  
Meta Systems for LBMS  
Micro Focus, Inc.  
Micro-Processor Services, Inc.  
Microtec Research, Inc.  
MicroTools  
Mozart Systems Corp.  
NASA Johnson Space Center  
National Instruments  
NCCOSC

Netron, Inc.  
Neuron Data  
Objectivity, Inc.  
ONTOS, Inc.  
Optimization Technology, Inc.  
Oracle Corp. UK Ltd.  
OTG Systems, Inc.  
Persistent Software  
Personyx  
Poet Software Corp.  
Price Waterhouse Re-Engineering Center  
ProCASE Corp.  
Progeni Systems, Inc.  
Promula Development Corp.  
Protosoft, Inc.  
QED Software Inc.  
Quantasm Corp.  
Quibus Enterprises, Inc.  
R & O The Repository Company  
R.R. Software, Inc.  
Rational Software, Corp.

Reasoning Systems, Inc.

Reliance Consulting, Inc.  
Research Triangle Institute  
RJO Enterprises  
S-CUBED, Inc.  
SAIC-Strategic Business Division  
SCANDURA--Software Conversion.  
Science Applications Int'l Corp.  
Siemens Aktiengesellschaft Osterreich

Foundation SQL, Foundation Translator, Foundation Vista10  
Cradle SEE, Mesa/CASE Tool Interface (Mesa/CTI),  
Mesa/Postscript Support for CASE (Mesa/PS), Mesa/Teamwork  
Model Bridge (Mesa/TMB)  
Design/IDEF, WorkFlow Analyzer (WFA)  
Reveng  
Micro Focus Cobol/2 Workbench  
Translation Services  
XRAY Source Explorer  
FORTRAN 77 Programmer's Assistant III  
Mozart  
REngineering Applications (REAP)  
LabVIEW  
CMS-2 Design Analyzer (DESAN), CMS-2 Translate to Ada  
(TRADA)  
NETRON/CAP  
Open Interface  
Objectivity/DB  
ONTOS VIA/OIS  
ARC SADCA  
CASE Designer  
Blue Four, plusFORT, SPAG  
Persistence  
FORCE, JOVIAL Analysis and Conversion Kit (JACK)  
POET  
ARRAE, RE/Cycle  
SMARTgraph, SMARTsystem  
SYNTran  
PROMULA.FORTRAN  
Paradigm Plus  
Eagle  
AsmFlow Professional  
Fortran Development Tools, FORWARN  
ROCHADE  
Pastran  
Rational Rose (Rose), ROS/ADA, Software Document Automation  
(SoDA), VADScross, VADSmp, VADSself, VADSWorks  
Refine/Ada, Refine/C, Refine/Cobol, Refine/Fortran, Software  
Refinery  
Re/Toolkit  
Architecture Design & Assessment System (Adas)  
Auto-G Case Toolset, AutoAda Code Gen.  
DAISys, SUPRe/DAISys  
ASURE  
PRODOC re/NuSys Workbench  
REEngineering Environment and Workbench (REENEW)  
XperCASE

*Software Technology Support Center (STSC)*

**Vendor Name**

**Tool Name**

SmartStar Corp.  
Software AG of North America, Inc.  
Software Blacksmiths, Inc.  
Software Business Management, Inc.  
Software Compositions  
Software Eng. & Enhancement Center, Inc.  
Software Interfaces, Inc.  
Software Maint. & Development Sys., Inc.  
Software One, Ltd.  
Software Products & Services, Inc.  
Software Solutions, Inc.  
Software Systems Design, Inc.

Software Technology Support Center  
Step Engineering  
Sterling Software  
Sterling Software, Inc.  
Sterling Software-Development Division  
Sybase, Inc.  
Synthesis Computer Technologies, Inc.  
SYSCORP Intl.  
System Software Associates, Inc.  
Systemware Laboratories, Inc.  
TASC  
Technology Economics, Inc.  
Telesoft.(Owned by Alsys)  
Texas Instruments

TGL, Inc.  
The Periscope Co., Inc.  
The Real-Time Intelligent Systems Corp.  
Unisys  
Vality Technology, Inc.  
Verilog, Inc.

SmartStar  
Predict  
C-CALL, C-DOC, C-LIST  
DecisionVision 1 (DV1)  
Ada9X Transition Aid, Re-engineering MENTOR  
COBOL Analyst  
dbLOADER, SQLASSIST  
Aide-De-Camp (ADC)  
Software One Exchange  
EPOS  
PC DICTIONARY  
Ada Design and Documentation Language (ADADL), Ada/ADADL  
Requirements Interface System (ARIS), C Design and  
Documentation Language (CDADL), DOCGEN/C, Document  
Generator (DocGen), FORTRAN Reverse Eng & Document System  
(FREDoc), GrafBrowse, RevAda/StP  
JOVIAL Reverse Engineering Toolset (JRETS)  
Excell 930  
MAXIM, VISION:NorthStar  
ANSWER:Architect, ANSWER:Zim, VISION:Legacy  
ANSWER:Cabe  
Deft CASE System  
case/ap  
MicroSTEP  
AS/SET  
DOSSIER BROWSE, DOSSIER PROVE  
Ada\_Z  
BPSimulator  
TeleUSE  
Current Systems Analysis (CSA), Current Systems Modification  
(CSM), Transition Engineering Facility (TEF)  
Turbo-to-C Tools  
WinScope  
Activation Framework  
UNISET  
Integrity Programming Environment  
DOCBUILDER, Logiscope, Logiscope Graphical Editor

*Appendix A.3: Reengineering Products List by Vendor*

**Vendor Name**

**Tool Name**

ViaSoft, Inc.

ESW Documentation, Existing Systems Workbench (ESW),  
VIA/ALLIANCE, VIA/Insight, VIA/Renaissance, VIA/SmartDoc  
Recycle-SF, Recycle-SF/Recover, Recycle-SF/Repair, VIEWS-SF

Virtual Software Factory Ltd.

Visible Analyst Workbench (VAW)

Visible Systems Corp.

Vitro Automated Structured Testing Tool (VASTT)

Vitro Corp.

STARK

VSS, Inc.

Visual Interactive FORtran (VIFOR)

Wayne State University

Technical Systems Engineering Environ. (TSEE)

Westmount Technology bv

Information Systems Engineering Env. (ISEE)

Westmount USA, Inc.

DATATEC-DS

XA Systems Corp.

Xinotech Language Translator (XLT), Xinotech Program Composer

Xinotech Research, Inc.

*Appendix B: Product Sheets by Vendor Name*

## **Appendix B: Product Sheets**

*Software Technology Support Center (STSC)*

**Tool: Data Dictionary Tree**

Version: 2.1      Release Date: 1/01/92  
Number Sold: --      Single User Price: (Contact Vendor)  
Report Date: 10/15/93      Report Updated: 12/22/93  
Training available      Newsletter Available  
Site license available

**Vendor: +1 Software Engineering**

POC: John P. Dempsey  
Phone: 805-389-1778 Fax: 805-389-1778  
E-mail:  
Address: 2510-G Las Posas Rd., Ste. 438  
Camarillo, CA 93011

**Description:** Data Dictionary Tree stores information on data elements, data structures, files, external entities, and glossary terms used by a project.

**Classification:** Design, Documentation, Reengineering, Data Name Rationalizer, Forward Engineering, Data Reengineering

**Features:** TreeSoft's repository

**Languages Supported:** All

**Configurations:** Sun/Sun OS

**Tool: Tree4(C, Fortran, Pascal)**

Version: 2.1      Release Date: 9/01/92  
Number Sold: --      Single User Price: \$950  
Report Date: 10/12/93      Report Updated: 10/12/93  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: +1 Software Engineering**

POC: John P. Dempsey  
Phone: 805-389-1778 Fax: 805-389-1778  
E-mail:  
Address: 2510-G Las Posas Rd., Ste. 438  
Camarillo, CA 93011

**Description:** Tree4(C, Fortran, Pascal) reads in existing C, Fortran or Pascal source code, generates the TreeSoft files needed for modeling the existing code. Display hierarchical representation of the code, enhance and maintain the existing source code.

**Classification:** Reengineering, Forward Engineering, Redocumenter, Reverse Engineering

**Features:**

**Languages Supported:** C, FORTRAN, Pascal

**Configurations:** Sun/Sun OS

**Tool: Automated Documentation System (ADS)**

Version: 7.0      Release Date: 11/01/92  
Number Sold: 15+      Single User Price: \$16,000-\$32,000  
Report Date: 1/06/93      Report Updated: 6/30/94

**Vendor: A+ Software, Inc.**

POC: Robert Ballway  
Phone: 315-685-6918 Fax: 315-685-6076  
E-mail:  
Address: 16 Academy St.  
Skaneateles, NY 13152

Evaluation copy available      Site license available

**Description:** ADS is an ISPF menu-driven interactive and batch job and systems documentation tool. It features JCL syntax checking, run-time error analysis, JCL reformatting, Utilities, numerous cross-reference reports, load-module analysis, etc.

**Classification:** Coding, Testing, Documentation, Quality Assurance, Reengineering, Auditor, Cross Referencing Tool, Redocumenter, Reformatter, Run-Time Error Checker, Session Documenter, Structure Checker, Restructurer

**Features:**

**Languages Supported:** JCL

**Configurations:** MVS operating systems.

*Appendix B: Product Sheets by Vendor Name*

**Tool: Navigator**

Version: 1.0      Release Date: 8/01/92  
Number Sold: --      Single User Price: \$6,000-16,000  
Report Date: 1/26/93      Report Updated: 7/05/94  
Training available  
Evaluation copy available      Site license available

**Vendor: A+ Software, Inc.**

POC: Technical Support  
Phone: 315-685-6918 Fax: 315-685-6076  
E-mail:  
Address: 16 Academy St.  
Skaneateles, NY 13152

**Description:** Navigator provides CASE documentation for reengineered, newly developed or traditional systems in maintainance.

Navigator is an ISPF menu driven, integrated set of interactive and batch productivity tools that enhance the supportand management of business application software.

**Classification:** Coding, Documentation, Configuration Management, Quality Assurance, Reengineering, Cross Referencing Tool, Redocumenter, Reverse Engineering

**Features:**

**Languages Supported:** Assembler, JCL, VTOC

**Configurations:** IBM

**Tool: CodeCheck**

Version: 5.0      Release Date: 1/01/88  
Number Sold: 600      Single User Price: \$495  
Report Date: 3/09/93      Report Updated: 1/30/95

**Vendor: ABRAXAS Software, Inc.**

POC: Elizabeth Layton  
Phone: 503-244-5253 Fax: 503-244-8375  
E-mail:  
Address: 5530 S.W. Kelly  
Portland, OR 97201

Evaluation copy available      Site license available

**Description:** CodeCheck analyzes C and C++ source code. CodeCheck is designed to enhance the effectiveness and efficiency of project management by analyzing the portability, maintainability, and style of the source code.

**Classification:** Coding, Project Management, Quality Assurance, Reengineering, Auditor, Code Change Monitor, Complexity Measurer, Reverse Engineering, Size Measurer, Syntax & Semantics Analyzer

**Features:** SLOC Actuals

**Languages Supported:** C, C++

**Configurations:** MS-DOS, OS2, UNIX, Mac/Mac OS, PC/DR-DOS, VAX/VMS.

**Tool: MACYACC**

Version: 4.0      Release Date:  
Number Sold: --      Single User Price: (Contact Vendor)  
Report Date: 4/06/93      Report Updated: 1/30/95

**Vendor: ABRAXAS Software, Inc.**

POC: Technical Support  
Phone: 503-244-5253 Fax: 503-244-8375  
E-mail:  
Address: 5530 S.W. Kelly  
Portland, OR 97201

**Description:** MACYACC is a complete Language Development Enviroment that generates ANSI C source code from input Language Description Grammars for building Assemblers, Compilers, Interpreters, Browsers, Page Description Languages, Language Translators, Syntax Directed Editors, Validators, Natural Language Processors, Expert System Shells, and Query languages.

**Classification:** Coding, Testing, Reengineering, Code Generator, Source Code Translator, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** Ada, Basic, C, C++, COBOL, FORTRAN, Pascal, PL/1, Smalltalk, SQL

**Configurations:** A/UX, MS-DOS, Apollo/IMS/DC, IBM/AIX, Mac, Sun/Sun OS

*Software Technology Support Center (STSC)*

**Tool: DCL8**

Version: 1.04      Release Date: 3/01/92  
Number Sold: 250      Single User Price: \$988+  
Report Date: 3/03/93      Report Updated: 6/30/94  
Training available  
Evaluation copy available      Site license available

**Vendor: Accelr8 Technology Corp.**

POC: Tech. Support (ATC)  
Phone: 503-244-5253 Fax: 503-244-8375  
E-mail:  
Address: 5530 S.W. Kelly  
Portland, OR 97201

**Description:** DCL8 is a command interpreter allowing VMS users to operate UNIX systems with VMS commands. It helps perform many tasks, including developing and executing programs and command procedures, modifying the work environment, and defining logical names.

**Classification:** Coding, Reengineering, Reuse, Software Engineering Environment, Linker, Retargeting, Rule-Based Shell

**Features:**

**Languages Supported:** All

**Configurations:** DECstation, HP, IBM, Sun/UNIX, VAX/VMS

**Tool: Open ACCLIM8**

Version: 1.30      Release Date: 7/01/92  
Number Sold: 100+      Single User Price: \$3,988+  
Report Date: 1/26/93      Report Updated: 7/05/94  
Training available  
Evaluation copy available      Site license available

**Vendor: Accelr8 Technology Corp.**

POC: Tech. Support (ATC)  
Phone: 503-244-5253 Fax: 503-244-8375  
E-mail:  
Address: 5530 S.W. Kelly  
Portland, OR 97201

**Description:** Automated FORTRAN porting tool for moving VAX/VMS FORTRAN applications onto UNIX systems. Its purpose is to reduce time and cost of moving FORTRAN applications.

**Classification:** Coding, Testing, Reengineering, Reuse, Software Engineering Environment, Compiler, Debugger, Retargeting, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** Solaris2.1, DECstation, Harris, HP, IBM, Sequent, Sun/VMS

**Tool: Open BASIC**

Version: 1.0      Release Date: 9/01/93  
Number Sold: 3      Single User Price: (Contact Vendor)  
Report Date: 9/27/93      Report Updated: 9/27/93  
Training available  
Evaluation copy available      Site license available

**Vendor: Accelr8 Technology Corp.**

POC: Tech. Support (ATC)  
Phone: 503-244-5253 Fax: 503-244-8375  
E-mail:  
Address: 5530 S.W. Kelly  
Portland, OR 97201

**Description:** Open BASIC automates the migration of VAX BASIC application code from Digital's proprietary VMS environment to open systems. Open BASIC is a retargetable compiler that reads VAX BASIC and generates portable C source code.

**Classification:** Reengineering, Retargeting, Source Code Translator

**Features:**

**Languages Supported:** C

**Configurations:** Solaris2.1, HP, IBM, Sun, VAX



*Appendix B: Product Sheets by Vendor Name*

**Tool: Open TRANSL8**

Version: 2.4      Release Date: 1/01/90  
Number Sold: 500+      Single User Price: \$2,176+  
Report Date: 3/03/93      Report Updated: 7/05/94  
Training available  
Evaluation copy available      Site license available

**Vendor: Accelr8 Technology Corp.**

POC: Tech. Support (ATC)  
Phone: 503-244-5253 Fax: 503-244-8375  
E-mail:  
Address: 5530 S.W. Kelly  
Portland, OR 97201

**Description:** TRANSL8 is a utility that aids in moving and translating data and files between VMS and UNIX. It changes text and binary data and replicates file organization automatically, which results in access to data between VAX and UNIX systems.

**Classification:** Testing, Reengineering, Data Extractor, Data Reengineering, Retargeting

**Features:**

**Languages Supported:** All

**Configurations:** DECstation, HP, IBM, Sun, UNIX, VAX/VMS

**Tool: M.A.T.I.S.S.E.**

Version: 2.3      Release Date: 9/01/94  
Number Sold: 15+      Single User Price: \$13,000  
Report Date: 11/04/93      Report Updated: 10/20/94  
Training available  
Evaluation copy available      Site license available

**Vendor: ADB, Inc.**

POC: Daniel E. Steinbach  
Phone: 617-354-4220 Fax: 617-547-5420  
E-mail: dan@adb.com  
Address: 238 Broadway  
Cambridge, MA 02139

**Description:** MATISSE is a database management system which combines advanced object-oriented capabilities and consistency control with a mission critical transactional technology.

**Classification:** Design, Documentation, Reengineering, Reuse, Database, Data Reengineering

**Features:** Dynamic Schema Evolution

**Languages Supported:** Ada, C, C++

**Configurations:** Solaris2.1, Windows, HP/HP-UX, Mac, Sun/Sun OS, VAX/VMS

**Tool: PM/SS**

Version: C340M4      Release Date: 11/01/91  
Number Sold: 300+      Single User Price: \$75,000-\$175,000  
Report Date: 1/06/93      Report Updated: 11/24/93  
Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Adpac Corp.**

POC: Michael J. Murray  
Phone: 415-974-6699 Fax: 415-546-7130  
E-mail:  
Address: 340 Brannon St., Suite 105  
San Francisco, CA 94107

**Description:** PM/SS is a system wide reengineering toolkit. It performs impact analysis quickly and accurately, and interfaces system information with forward engineering CASE tools.

**Classification:** Requirements Trace, Design, Documentation, Reengineering, Reuse, Data Name Rationalizer, Data Reengineering, Redocumenter, Restructurer, Reverse Engineering

**Features:**

**Languages Supported:** Assembler, CICS, COBOL, DBMS, JCL, PL/1

**Configurations:** IBM/MVS

*Software Technology Support Center (STSC)*

**Tool: OMTool (OMT)**

Version: 1.2      Release Date: 2/01/93  
Number Sold: --      Single User Price: \$995  
Report Date: 8/01/93      Report Updated: 8/01/93  
Training available  
Evaluation copy available      Site license available

**Vendor: Advanced Concepts Center**

POC: Kevin Winters  
Phone: 800-438-7246 Fax: 215-992-6299  
E-mail: winters@acc.vf.ge.com  
Address: 640 Freedom business center. Box:1561  
King of Prussia, PA 19406

**Description:** OMTool concept is based on GE's Object Modeling Technique, which is defined in the text, object-oriented modeling and design. OMTool automates the process of preparing models, updating them, generating data structure and object-oriented languages.

**Classification:** Reengineering, Software Engineering Environment, Forward Engineering

**Features:**

**Languages Supported:** C++

**Configurations:** HP/HP-UX, PC/Window 3.0, Sun/Sun OS

**Tool: ASA 20/20**

Version: 4.0      Release Date: 8/01/94  
Number Sold: 100+      Single User Price: \$1,000+  
Report Date: 3/03/93      Report Updated: 10/31/94

**Vendor: Advanced Software Automation, Inc.**

POC: Technical Support  
Phone: 408-492-1668 Fax: 408-492-1669  
E-mail:  
Address: 3130A Coronado Drive  
Santa Clara, CA 95054

**Description:** ASA 20/20 is a member of the Hindsight product family. It allows developers to identify potential problem areas early in the development process.

**Classification:** Testing, Quality Assurance, Metrics, Reengineering, Coverage/Frequency Analyzer, Cross Referencing Tool, Functional Simulator, Reverse Engineering

**Features:**

**Languages Supported:** C, C++, FORTRAN

**Configurations:** DEC, HP, Sun/Sun OS, VAX

**Tool: AutoAnalyzer**

Version: 2.1      Release Date: 4/01/92  
Number Sold: 250      Single User Price: \$7,450  
Report Date: 1/26/93      Report Updated: 6/30/94  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Advanced Software Automation, Inc.**

POC: Lynn Allen  
Phone: 800-438-7246 Fax: 215-992-6299  
E-mail: winters@acc.vf.ge.com  
Address: 640 Freedom business center. Box:1561  
King of Prussia, PA 19406

**Description:** AutoAnalyzer provides a testing and software maintenance environment for software engineers. Builds an interactive structure chart of source code, traces use of global variables, measures and displays test coverage analysis, performance information.

**Classification:** Design, Coding, Testing, Quality Assurance, Metrics, Reengineering, Complexity Measurer, Coverage/Frequency Analyzer, Debugger, Performance/Timing Analyzer, Reliability Analyzer, Reverse Engineering, Size Measurer, Structure Checker, Test Instrumenter

**Features:** SLOC Actuals

**Languages Supported:** C, C++, FORTRAN

**Configurations:** DEC, HP, IBM, Sun

*Appendix B: Product Sheets by Vendor Name*

**Tool: AutoDiagrammer**

Version: -- Release Date:  
Number Sold: -- Single User Price: (Contact Vendor)  
Report Date: 1/04/93 Report Updated:

**Vendor: Advanced Software Automation, Inc.**

POC: Lynn Allen  
Phone: 800-438-7246 Fax: 215-992-6299  
E-mail: winters@acc.vf.ge.com  
Address: 640 Freedom business center. Box:1561  
King of Prussia, PA 19406

**Description:** AutoDiagrammer is straight from source code, generates a low-level detailed procedural logic diagram and a high-level program tree diagram - AutoDiagrammer also will link these together.

**Classification:** Coding, Reengineering, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** Ada, C, FORTRAN

**Configurations:** DEC/ULTRIX, Sun/Sun OS, VAX/ULTRIX

**Tool: AutoStructureChart**

Version: -- Release Date:  
Number Sold: -- Single User Price: (Contact Vendor)  
Report Date: 1/04/93 Report Updated: 6/30/94

**Vendor: Advanced Software Automation, Inc.**

POC: Lynn Allen  
Phone: 800-438-7246 Fax: 215-992-6299  
E-mail: winters@acc.vf.ge.com  
Address: 640 Freedom business center. Box:1561  
King of Prussia, PA 19406

**Description:** AutoStructureChart provides an interactive development environment for software reengineering and maintenance; it generates a full and organized hierarchical structure chart directly from source code.

**Classification:** Reengineering, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** Ada, C, FORTRAN

**Configurations:** Apollo/SR, DECstation/ULTRIX, Sun/Sun OS, VAX/ULTRIX

**Tool: Code Generator**

Version: -- Release Date:  
Number Sold: -- Single User Price: (Contact Vendor)  
Report Date: 1/04/93 Report Updated:

**Vendor: Advanced Software Automation, Inc.**

POC: Lynn Allen  
Phone: 800-438-7246 Fax: 215-992-6299  
E-mail: winters@acc.vf.ge.com  
Address: 640 Freedom business center. Box:1561  
King of Prussia, PA 19406

**Description:** The Code Generator includes the following features: language independence, user understandable commands and rules, and syntax checking, and is menu or command driven and user friendly.

**Classification:** Coding, Reengineering, Forward Engineering

**Features:**

**Languages Supported:** Ada, C, COBOL, FORTRAN, Pascal

**Configurations:** Apollo/SR, Sun/Sun OS, VAX/ULTRIX

*Software Technology Support Center (STSC)*

**Tool: Hindsight**

Version: 2.1                      Release Date: 1/31/92  
Number Sold: 150+              Single User Price: \$2,500-\$7,450  
Report Date: 1/07/93          Report Updated: 7/01/94  
Training available  
Evaluation copy available

**Vendor: Advanced Software Automation, Inc.**

POC: Bonnie Faber  
Phone: 408-492-1668 Fax: 408-492-1669  
E-mail:  
Address: 2880 Lakeside Dr., Suite 226  
Santa Clara, CA 95054

**Description:** Hindsight consists of the three utilities: AutoAnalyzer, AutoDiagrammer, and AutoStructureChart. See these tools for more information.

**Classification:** Coding, Testing, Quality Assurance, Metrics, Reengineering, Reuse, Complexity Measurer, Coverage/Frequency Analyzer, Cross Referencing Tool, Performance/Timing Analyzer, Reliability Analyzer, Reverse Engineering, Size Measurer, Structure Checker, Syntax & Semantics Analyzer, Test Instrumenter

**Features:** SLOC Actuals

**Languages Supported:** C, C++, FORTRAN

**Configurations:** DECstation/ULTRIX, HP-9000, Sun/Sun OS, VAXstation/ULTRIX

**Tool: Structure & Logic Analysis Module**

Version: 3.1                      Release Date: 8/01/93  
Number Sold: -                  Single User Price: (Contact Vendor)  
Report Date: 12/21/93          Report Updated: 7/07/94  
Training available  
Evaluation copy available          Site license available

**Vendor: Advanced Software Automation, Inc.**

POC: Technical Support  
Phone: 408-492-1668 Fax: 408-492-1669  
E-mail:  
Address: 2880 Lakeside Dr., Suite 226  
Santa Clara, CA 95054

**Description:** Structure & Logic Analysis Module generates a hierarchical structure chart directly from source code. This chart helps you understand the calling relationships between parent and child functions. From this high level structure display, you can open diagrams and trace the logic flow.

**Classification:** Design, Coding, Documentation, Reengineering, Software Engineering Environment, Complexity Measurer, Cross Referencing Tool, Redocuments, Structure Checker

**Features:**

**Languages Supported:** C, C++, FORTRAN

**Configurations:** Solaris2.1, HP/UNIX, IBM/AIX, Sun/Sun OS

**Tool: ABSTRACT/PROBE**

Version: -                      Release Date:  
Number Sold: -                  Single User Price: (Contact Vendor)  
Report Date: 2/26/93          Report Updated:

**Vendor: Advanced Systems Concepts, Inc.**

POC: Jack Edelman  
Phone: 201-798-6400 Fax: 201-798-9203  
E-mail:  
Address: 33-41 Newark St.  
Hoboken, NJ 07030

**Description:** Abstract/Probe furnishes accessible documentation/cross references of applications software.

**Classification:** Coding, Reengineering, Cross Referencing Tool, Redocuments

**Features:**

**Languages Supported:** COBOL, IMS

**Configurations:** AS/400

*Appendix B: Product Sheets by Vendor Name*

**Tool: Revengg**

Version: 3.2                      Release Date: 8/01/91  
Number Sold: 5                  Single User Price: \$12,000  
Report Date: 1/06/93          Report Updated: 10/31/94  
Training available              Newsletter Available

**Vendor: Advanced Systems Technology Corp.**

POC: Dr. H. H. Sayani  
Phone: 410-721-4433 Fax: 410-721-1167  
E-mail:  
Address: 2200 Defense Hwy., Suite 203  
Crofton, MD 21114-2404

**Description:** Revengg abstracts the structure and interactions of ill-documented programming code into the CaMERA dictionary. Code is interpreted from entry into a specification language and dictionary system for possible reengineering.

**Classification:** Coding, Requirements Analysis, Testing, Documentation, Configuration Management, Reengineering, Reuse, Database, Reverse Engineering

**Features:**

**Languages Supported:** COBOL, FORTRAN, JCL

**Configurations:** HP/UNIX, IBM, PC/MS-DOS, VAX/VMS

**Tool: AXI**

Version:                              Release Date:  
Number Sold: -                      Single User Price: (Contact Vendor)  
Report Date: 5/14/92              Report Updated: 2/27/95

**Vendor: Advanced Technology Center**

POC: Technical Support  
Phone: 909-583-9119 Fax: -  
E-mail:  
Address: 22982 Mill Creek Dr.  
Laguna Hills, CA 92653-1214

**Description:** AXI is an Ada-to-X-Interface. It provides Ada bindings to X11 and Motif Window Manager with access to over 500 Xlib, Xt, and Xm functions. Translates Ada to X and Motif interface.

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:** Ada

**Configurations:** Sun/Sun OS, UNIX

**Tool: Translate-CGM**

Version:                              Release Date:  
Number Sold: -                      Single User Price: (Contact Vendor)  
Report Date: 5/14/92              Report Updated: 2/27/95

**Vendor: Advanced Technology Center**

POC: Technical Support  
Phone: 909-583-9119 Fax: -  
E-mail:  
Address: 22982 Mill Creek Dr.  
Laguna Hills, CA 92653-1214

**Description:** Translate-CGM converts DXF, IGES, HPGL, and other files to CGM format for archive, hardcopy output, viewing and markup or other applications based on the CGM standard.

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:**

**Configurations:** Sun

## Software Technology Support Center (STSC)

**Tool:** UIL/Trans

Version:	Release Date:
Number Sold: –	Single User Price: (Contact Vendor)
Report Date: 5/14/92	Report Updated: 2/27/95

**Vendor:** Advanced Technology Center

POC: Technical Support  
Phone: 909-583-9119 Fax: —  
E-mail: —  
Address: 22982 Mill Creek Dr.  
Laguna Hills, CA 92653

**Description:** UIL/Trans is a companion product to AXI which allows the Ada developers to convert User Interface Language (UIL) calls to either c or Ada. Using UIL is less difficult than making direct procedures calls to Motif.

**Classification:** Reengineering, Source Code Translator

### Features:

**Languages Supported:** UIL

**Configurations:** Sun/Sun OS

**Tool:** superCASE (SCD)

Version:	—	Release Date:	
Number Sold:	—	Single User Price:	(Contact Vendor)
Report Date:	11/21/91	Report Updated:	3/08/95

**Vendor:** Advanced Technology Intl. Corp.

POC: Technical Support  
Phone: 212-354-8280 Fax: 212-354-8315  
E-mail:  
Address: 1501 Broadway Avenue, Suite 1314  
New York, NY 10036

**Description:** SuperCASE is an integrated environment supporting top-level design to maintenance. It creates design abstractions from code and facilitates ongoing maintenance and enhancement. It is a reverse engineering tool that extracts design information.

**Classification:** Design, Coding, Documentation, Reengineering, Cross Referencing Tool, Forward Engineering, Language Sensitive Editor, Reverse Engineering

### Features:

**Languages Supported:** Ada, C, FORTRAN, JOVIAL, PL/M

**Configurations:** DEC/CMS, VAX/VMS

**Tool:** Ada Software Development Toolset

Version:	—	Release Date:	
Number Sold:	—	Single User Price:	\$295-\$495
Report Date:	3/03/93	Report Updated:	6/30/94
Training available		Newsletter Available	
		Site license available	

**Vendor:** Aetech

POC: Technical Support  
Phone: 410-721-4433 Fax: 410-721-1167  
E-mail:  
Address: 2200 Defense Hwy., Suite 203  
Crofton, MD 21114-2404

**Description:** Aetech's Ada Software Development Toolset is an integrated set of advance tools for design, code generation, editing, analysis, configuration control, and documentation of Ada source code. Graphically desgin your program, compile, link and test it.

**Classification:** Coding, Documentation, Configuration Management, Reengineering, Complexity Measurer, Cross Referencing Tool, Forward Engineering, Linker, Reformatter, Size Measurer, Structure Checker, Restructurer

### Features: SLOC Actuals

**Languages Supported:** Ada

**Configurations:** PC/MS-DOS

*Appendix B: Product Sheets by Vendor Name*

**Tool: IntegrAda**

Version: —  
Number Sold: —  
Report Date: 3/03/93  
Training available

Release Date:  
Single User Price: \$95-\$695  
Report Updated: 5/16/94  
Newsletter Available  
Site license available

**Vendor: Aetech**

POC: Technical Support  
Phone: 410-721-4433 Fax: 410-721-1167  
E-mail:  
Address: 2200 Defense Hwy., Suite 203  
Crofton, MD 21114-2404

**Description:** IntegrAda is an integrated Ada Programming Support Environment (APSE) with a production-quality compiler which has been fully validated by the gov't to the latest Ada Compiler Validation Capability (ACVC1.10).

**Classification:** Coding, Documentation, Reengineering, Software Engineering Environment, Code Generator, Commenter, Compiler, Forward Engineering, Linker, Reformatter, Session Documenter, Structure Checker, Restructurer

**Features:** Ada language sensitive editing

**Languages Supported:** Ada

**Configurations:** PC/MS-DOS

**Tool: XAda**

Version: 6.1  
Number Sold: —  
Report Date: 3/03/93  
Training available

Release Date:  
Single User Price: \$1,995  
Report Updated: 7/06/94  
Newsletter Available  
Site license available

**Vendor: Aetech**

POC: Technical Support  
Phone: 619-431-7714 Fax: 619-431-0860  
E-mail:  
Address: 5841 Edison Place, Ste. 110  
Carlsbad, CA 92008

**Description:** XAda is an Ada programming environment for X-Windows and POSIX. XAda integrates a Motif-based Ada language-sensitive editor with special Ada features and tools, a validated Ada compiler, and an X-Windows library for POSIX.

**Classification:** Coding, Documentation, Configuration Management, Reengineering, Code Generator, Commenter, Compiler, Forward Engineering, Language Sensitive Editor, Optimizer, Reformatter, Structure Checker, Symbolic Execution Tool, Syntax & Semantics Analyzer, Restructurer

**Features:**

**Languages Supported:** Ada

**Configurations:** PC/UNIX

**Tool: Documentation-Aid, MVS (Doc-Aid)**

Version:  
Number Sold: 124  
Report Date: 1/05/93

Release Date: 1/01/87  
Single User Price: \$29,700 group 20  
Report Updated:  
Site license available

**Vendor: Allen Systems Group**

POC: Kim Brooks  
Phone: 800-93-ALLEN Fax: 813-263-3692  
E-mail:  
Address: 750 11th St.  
Naples, FL 33940

**Description:** This tool is a computer systems automated documentation aid.

**Classification:** Coding, Requirements Analysis, Documentation, Project Management, Configuration Management, Reengineering, Cross Referencing Tool, Redocumenter, Structure Checker

**Features:**

**Languages Supported:** Assembler, COBOL

**Configurations:** Mainframe, MVS/XA-MVS/ESA.

*Software Technology Support Center (STSC)*

**Tool: AdaReformat**

Version: 5.1.2      Release Date: 1/01/94  
Number Sold: -      Single User Price: \$595+  
Report Date: 2/08/93      Report Updated: 10/17/94

**Vendor: ALSYS, Inc.**

POC: Bill Howard  
Phone: 619-457-2700 Fax: 619-452-2117  
E-mail:  
Address: 67 S.Bedford St.  
Burlington, MA 01803-5152

**Description:** AdaReformat transforms the source text of the program into standard Ada presentation format.

**Classification:** Reengineering, Reformatter, Restructurer

**Features:**

**Languages Supported:** Ada

**Configurations:** DECstation/ULTRIX, HP/HP-UX, IBM/AIX, IBM/MVS/XA, IBM/VM/CMS, Mac/Mac OS, PC/MS-DOS, PC/OS/2, PC/UNIX, PC/XENIX, RISC 6000, Sun/Sun OS, VAX/VMS

**Tool: AdaSplit**

Version: -      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 1/04/93      Report Updated:

**Vendor: ALSYS, Inc.**

POC: Technical Support  
Phone: 619-431-7714 Fax: 619-431-0860  
E-mail:  
Address: 5841 Edison Place, Ste. 110  
Carlsbad, CA 92008

**Description:** AdaSplit is a utility that splits files with multiple compilation units into separate files.

**Classification:** Reengineering, Restructurer

**Features:**

**Languages Supported:** Ada

**Configurations:** DECstation/ULTRIX, HP/HP-UX, IBM/AIX, IBM/MVS/XA, IBM/VM/CMS, Mac/Mac OS, PC/MS-DOS, PC/OS/2, PC/UNIX, PC/XENIX, RISC 6000, Sun/Sun OS, VAX/VMS

**Tool: TRANSLATION/MIGRATION SERVICE**

Version: -      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 9/27/93      Report Updated: 7/27/94

**Vendor: Alydaar Software Corp.**

POC: Frank Bachinsky  
Phone: 504-845-3322 Fax: 504-845-3323  
E-mail: bgruder@char.vnet.net  
Address: Route 1 Highway 21  
Madisonville, LA 70447

**Description:** Alydaar provides language translation and migration of most languages (Fortran, Pascal, Cobol, PL/1, CMS-2, JOVIAL) to Ada, C, C++ and Cobol. Also Ada 83 to Ada 9x. All work performed guaranteed for functionality, maintainability. It also translates databases.

**Classification:** Reengineering, Reuse, Data Reengineering, Restructurer, Retargeting, Source Code Translator

**Features:**

**Languages Supported:** CMS-2, COBOL, FORTRAN, JOVIAL, Pascal, PL/1

**Configurations:** PC/OS



*Appendix B: Product Sheets by Vendor Name*

**Tool: Advanced Management Catalyst (AMCat)**

**Vendor: AMCI**

Version:	Release Date:	POC:	Technical Support
Number Sold: -	Single User Price: (Contact Vendor)	Phone:	207-442-3241 Fax: 207-882-8093
Report Date: 10/20/94	Report Updated: 10/20/94	E-mail:	
		Address:	Churchill St. Wiscasset St., ME 04578

**Description:** AMCat is a process, a facilitation, and a software program. It enables organizations to achieve change fast while harnessing the knowledge and skills of the organization.

**Classification:** Reengineering, Business Process Reengineering

**Features:**

**Languages Supported:**

**Configurations:** HP/HP-UX

**Tool: Huron**

**Vendor: Amdahl Corp.**

Version:	Release Date:	POC:	Technical Support
Number Sold: -	Single User Price: (Contact Vendor)	Phone:	408-746-6000 Fax: -
Report Date: 7/07/92	Report Updated: 2/27/95	E-mail:	
		Address:	250 E. Arques Ave., PO Box 3470 M/S 301 Sunnyvale, CA 94088-3470

**Description:** The Huron environment uses a different approach - evolutionary development - to accelerate applications delivery. With evolutionary development, the developers and users jointly establish initial requirements and working together, create prototype applications within days or weeks. These prototypes are evolved directly into production systems through interactive design reviews between developers and users. This iterative process ensures that Huron applications fully meet user requirements, dramatically reducing requirements-related maintenance once the application goes into production.

**Classification:** Reengineering, Database, Forward Engineering, Library, Reverse Engineering, Screen Painter

**Features:**

**Languages Supported:** Assembler, COBOL, PL/1

**Configurations:** PC/VMS, Sun, UNIX

**Tool: PLASMA**

**Vendor: American InterFace Computer, Inc.**

Version: 3.0	Release Date: 7/15/92	POC:	Milan Patel
Number Sold: -	Single User Price: \$16,300	Phone:	512-327-5344 Fax: 512-327-5176
Report Date: 1/06/93	Report Updated: 7/05/94	E-mail:	
Training available	Newsletter Available	Address:	One westlake Plaza, Ste 200 Austin, TX 78746

**Description:** COBOL Visual Access Tool allows the COBOL Maintenance programmer to interactively investigate control flow, data flow, shared memory, cross referencing, file usage and more.

**Classification:** Design, Coding, Requirements Analysis, Testing, Reengineering, Case-Based Reasoning, Coverage/Frequency Analyzer, Cross Referencing Tool, Reverse Engineering, Run-Time Error Checker, Status Displayer, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** COBOL

**Configurations:** UNIX

*Software Technology Support Center (STSC)*

**Tool: ANDRULIS/BPRe+**

Version:                      Release Date:  
Number Sold:    -              Single User Price: (Contact Vendor)  
Report Date:    1/05/95        Report Updated:    1/05/95

**Vendor: Andrulis Research Corp.**

POC: Technical Support  
Phone: 301-657-1700 Fax: 301-367-3555  
E-mail:  
Address: 4600 East-West Highway, Suite 900  
Bethesda, MD 20814

**Description:** ANDRULIS/BPRe+ establishes project goals and prioritize areas of concern and conducts strategic planning. Its conduct process analysis describes the current situation and applies cost/time and identifies improvement alternatives. It implements and improvement plan and updates the strategic plan.

**Classification:** Reengineering, Business Process Reengineering

**Features:**

**Languages Supported:**

**Configurations:** IBM/MVS

**Tool: Expert Debugging Software Assistant (EDSA)**

Version:    2.0                      Release Date:    8/01/91  
Number Sold:    25+              Single User Price:    \$3,750  
Report Date:    1/26/93              Report Updated:

**Vendor: Array Systems Computing Products, Inc.**

POC: Leonard Vanek  
Phone: 416-736-0900 Fax: 416-736-4715  
E-mail:  
Address: 401 Magnetic Dr., Units 24-26  
Downsview, ON M3J-3H9 Canada

Evaluation copy available

**Description:** EDSA is an intelligent assistant that analyzes code and transmits its knowledge to you. It has control and data flow browsing, correctness verification and search management.

**Classification:** Coding, Testing, Quality Assurance, Reengineering, Debugger, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** Ada

**Configurations:** UNIX, MS-DOS, Sun/SunOS, VAX/VMS

**Tool: Requirements Driven Development (RDD)**

Version:                      Release Date:  
Number Sold:    -              Single User Price: (Contact Vendor)  
Report Date:    6/16/94              Report Updated:    6/16/94

**Vendor: Ascent Logic Corp.**

POC: Technical Support  
Phone: 408-943-0630 Fax: 408-943-0705  
E-mail:  
Address: 180 Rose Orchard Way, Ste. 200  
San Jose, CA 95134

**Description:** RDD product family provides tools to facilitate the systems engineering process. RDD capabilities include: requirements extraction and analysis, behavior descriptions, design synthesis, simulation and verification, and the ability to provide detailed specifications to "downstream" component design tools in a controlled inter-group environment.

**Classification:** Requirements Trace, Design, Requirements Analysis, Reengineering, Restructurer, Reverse Engineering

**Features:**

**Languages Supported:** All

**Configurations:** PC, UNIX

*Appendix B: Product Sheets by Vendor Name*

**Tool: Ptech**

Version:                      Release Date: 1/01/91  
Number Sold: 200              Single User Price: \$5,000-\$30,000  
Report Date: 10/26/94        Report Updated: 10/26/94  
                                    Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Associative Design Technology**

POC: Technical Support  
Phone: 508-366-9166 Fax: 508-366-3983  
E-mail:  
Address: 2 Westborough Business Park  
            Westborough, MA 01581-3199

**Description:** Ptech consists of integrated and conceptual methodology, analysis, design and prototyping tools and C++ code generator. Supports concurrency, reusability and hierarchical decomposition. Uses concepts that allow objects to change classifications.

**Classification:** Design, Coding, Requirements Analysis, Reengineering, Business Process Reengineering, Code Generator, Reverse Engineering

**Features:**

**Languages Supported:** C, C++

**Configurations:** Solaris2.1, DEC/ULTRIX, HP/HP-UX, IBM, SGraphics, Sun/SPARC

**Tool: QA C**

Version: 4.0                      Release Date: 12/07/94  
Number Sold: 1000+              Single User Price: \$6,000+  
Report Date: 4/25/94            Report Updated: 1/25/95  
Training available  
                                    Site license available

**Vendor: ASTA, Inc.**

POC: Tom Walsh  
Phone: 603-889-2230 Fax: 603-881-3740  
E-mail:  
Address: 1 Chestnut St., STe. 205-206  
            Nashua, NH 03060

**Description:** QA C analyzes, improves, and maintains the quality of C programs. By automating an error-detection process it can reduce the cost of manual error finding.

**Classification:** Coding, Testing, Project Management, Quality Assurance, Metrics, Reengineering, Reuse, Auditor, Complexity Measurer, Debugger, Defect/Change Tracker, Maintainability Analyzer, Reliability Analyzer, Restructurer, Reusable Components Identifier, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** C

**Configurations:** Sun, HP 700, RISC 6000, Silicon Graphics, Cray, Convex, DEC, SCO, UNIX

**Tool: QA C++**

Version: 1.2                      Release Date: 10/01/93  
Number Sold: 50+                Single User Price: \$6,000+  
Report Date: 4/25/94            Report Updated: 7/06/94  
Training available  
                                    Site license available

**Vendor: ASTA, Inc.**

POC: Tom Walsh  
Phone: 603-889-2230 Fax: 603-881-3740  
E-mail:  
Address: 1 Chestnut St., STe. 205-206  
            Nashua, NH 03060

**Description:** QA C++ analyzes, improves, and maintains the quality of C++ programs. By automating an error-detection process, it can reduce the cost of manual error finding.

**Classification:** Coding, Quality Assurance, Metrics, Reengineering, Auditor, Complexity Measurer, Defect/Change Tracker, Maintainability Analyzer, Reliability Analyzer, Restructurer, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** C++

**Configurations:** PC, UNIX

*Software Technology Support Center (STSC)*

**Tool: QA FORTRAN**

Version: 6.1      Release Date: 6/01/89  
Number Sold: 250+      Single User Price: \$11,600  
Report Date: 4/25/94      Report Updated: 7/06/94  
Training available

Site license available

**Vendor: ASTA, Inc.**

POC: Tom Walsh  
Phone: 603-889-2230      Fax: 603-881-3740  
E-mail:  
Address: 1 Chestnut St., STE. 205-206  
Nashua, NH 03060

**Description:** QA FORTRAN is a toolset for analyzing, improving, and maintaining FORTRAN programs. It checks for hundreds of reliability, portability, and maintenance issues and computes 28 quality metrics about the code.

**Classification:** Coding, Testing, Quality Assurance, Metrics, Reengineering, Auditor, Complexity Measurer, Debugger, Defect/Change Tracker, Maintainability Analyzer, Reliability Analyzer, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** All UNIX Workstations, HP, Sun, etc. PC's SCO Open Desktop 2.0, VMS 5.X

**Tool: J73 Automated Verification System (J73AVS)**

Version: 4.1      Release Date: 2/26/90  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 12/16/91      Report Updated: 12/14/94  
Training available

**Vendor: ASV/SCEL**

POC: Michael G. Crawford  
Phone: 805-964-7724      Fax: 805-967-7094  
E-mail:  
Address: 5383 Hollister Ave., PO Box 6770  
Santa Barbara, CA 93160-6770

**Description:** The Automated Verification System for JOVIAL (J73AVS) provides static and dynamic evaluation, test coverage measurements, retesting assistance, and automated reports that are useful for debugging, documenting, and maintenance of software.

**Classification:** Coding, Testing, Quality Assurance, Metrics, Reengineering, Reuse, Auditor, Code Change Monitor, Complexity Measurer, Coverage/Frequency Analyzer, Reverse Engineering, Size Measurer

**Features:** SLOC Actuals

**Languages Supported:** JOVIAL

**Configurations:** VAX/UNIX, VAX/VMS

**Tool: AutoFlow**

Version: 1.0      Release Date: 2/01/92  
Number Sold: -      Single User Price: \$9,950  
Report Date: 1/27/93      Report Updated: 6/30/94

Evaluation copy available

Site license available

**Vendor: AutoCASE Technology**

POC: Allen Chang  
Phone: 408-446-2273      Fax: 408-255-8228  
E-mail:  
Address: 10133 S. Portal Ave.  
Cupertino, CA 95014

**Description:** AutoFlow generates flowcharts automatically from existing C source code.

**Classification:** Coding, Testing, Documentation, Quality Assurance, Reengineering, Reuse, Coverage/Frequency Analyzer, Reusable Components Identifier, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** C

**Configurations:** OS/2, PC/MS-DOS, UNIX

*Appendix B: Product Sheets by Vendor Name*

**Tool: BACHMAN Database Design**

Version: 1.0 Release Date: 2/01/92  
Number Sold: - Single User Price: \$9,950  
Report Date: 8/08/91 Report Updated: 1/30/95

**Vendor: Bachman Information Systems, Inc.**

POC: Technical Support  
Phone: 617-273-9003 Fax: 617-229-9904  
E-mail:  
Address: 8 New England Executive Park  
Burlington, MA 01803

**Description:** BACHMAN Database Design is composed of two products: the BACHMAN/DBA and a BACHMAN/DDL Generator. It enables the reuse of legacy data structures, integrates with client/server development tools, directly generates Data Definition Language (DDL), captures DDL from RDBMS to create a model of an existing database.

**Classification:** System Simulation, Design, Reengineering, Data Reengineering, Restructurer

**Features:**

**Languages Supported:** DB2, DBMS, ORACLE, SQL, Sybase

**Configurations:** OS, OS/2, PC/DB2

**Tool: BACHMAN/ANALYST**

Version: 4.2 Release Date: 10/01/94  
Number Sold: - Single User Price: \$10,000  
Report Date: 1/04/93 Report Updated: 10/18/94  
Training available Newsletter Available

**Vendor: Bachman Information Systems, Inc.**

POC: Technical Support  
Phone: 617-273-9003 Fax: 617-229-9904  
E-mail:  
Address: 8 New England Executive Park  
Burlington, MA 01803

**Description:** Analyst aids in developing, consolidating, editing, and validating data and process models, as well as re-engineering existing designs and applications.

**Classification:** Design, Coding, Requirements Analysis, Testing, Documentation, Reengineering, Reuse, Data Reengineering, Reusable Components Identifier, Reverse Engineering

**Features:**

**Languages Supported:** COBOL, IDMS, IMS, PL/1

**Configurations:** IBM/OS/2, PC/MS-DOS

**Tool: BACHMAN/Analyst Capture**

Version: 4.1 Release Date: 1/03/92  
Number Sold: 2,000 Single User Price: \$3,000 GSA  
Report Date: 5/06/93 Report Updated: 8/10/94  
Training available Newsletter Available

**Vendor: Bachman Information Systems, Inc.**

POC: Adam Fayne  
Phone: 408-446-2273 Fax: 408-255-8228  
E-mail:  
Address: 10133 S. Portal Ave.  
Cupertino, CA 95014

**Description:** Analyst Capture legacy systems data structure such as IMS, PL1, Cobol, IDMS into Bachman/Analyst modeling environment through automated reverse engineering task.

**Classification:** Reengineering, Data Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** COBOL, IDMS, IMS, PL/1

**Configurations:** OS/2 V1.3 or higher, VGA or Monochrome, Intel 80386 or 80486 PC, 2 button mouse.

*Software Technology Support Center (STSC)*

**Tool: BACHMAN/Analyst Link**

Version: — Release Date:  
Number Sold: — Single User Price: \$4,000  
Report Date: 1/04/93 Report Updated: 10/18/94

**Vendor: Bachman Information Systems, Inc.**

POC: Adam Fayne  
Phone: 408-446-2273 Fax: 408-255-8228  
E-mail:  
Address: 10133 S. Portal Ave.  
Cupertino, CA 95014

**Description:** BACHMAN/Analyst Link migrates ADW files directly into the BACHMAN environment. It translates over ninety-five percent of ADW into BACHMAN and provides first-cut logic models.

**Classification:** Testing, Reengineering, Data Reducer & Analyzer, Retargeting

**Features:**

**Languages Supported:** ADW Files, DB2, SQL

**Configurations:** MVS, OS/400, VM, PC

**Tool: BACHMAN/CONVERTER**

Version: — Release Date:  
Number Sold: — Single User Price: (Contact Vendor)  
Report Date: 5/06/93 Report Updated:

**Vendor: Bachman Information Systems, Inc.**

POC: Adam Fayne  
Phone: 408-446-2273 Fax: 408-255-8228  
E-mail:  
Address: 10133 S. Portal Ave.  
Cupertino, CA 95014

**Description:** Generates Oracle, DB2 and Rdb.

**Classification:** Coding, Reengineering, Code Generator, Data Reengineering

**Features:**

**Languages Supported:** DB2, ORACLE

**Configurations:** IBM/OS/2

**Tool: BACHMAN/DBA**

Version: — Release Date:  
Number Sold: — Single User Price: (Contact Vendor)  
Report Date: 5/06/93 Report Updated: 1/30/95

**Vendor: Bachman Information Systems, Inc.**

POC: Adam Fayne  
Phone: 408-446-2273 Fax: 408-255-8228  
E-mail:  
Address: 10133 S. Portal Ave.  
Cupertino, CA 95014

**Description:** BACHMAN/DBA can rapidly create, update and maintain high-quality DB2 systems that are fully compliant with AD/Cycle System View, and Information Warehouse guidelines.

**Classification:** Reengineering, Data Reengineering, Rule-Based Shell

**Features:**

**Languages Supported:** DB2

**Configurations:** --

*Appendix B: Product Sheets by Vendor Name*

**Tool: Designer**

Version: 4.15      Release Date: 11/01/94  
Number Sold: –      Single User Price: \$1,500  
Report Date: 1/05/93      Report Updated: 10/20/94

**Vendor: Bachman Information Systems, Inc.**

POC: Technical Support  
Phone: 617-273-9003 Fax: 617-229-9904  
E-mail:  
Address: 8 New England Executive Park  
Burlington, MA 01803

**Description:** Designer improves the value and productivity of some application generators. It is part of an integrated modeling environment and helps create long-lasting, reusable applications.

**Classification:** Design, Reuse, Data Reengineering, Reusable Components Identifier

**Features:**

**Languages Supported:** DB2, DML

**Configurations:** OS/400, MVS/ESA, PC

**Tool: Toolbus**

Version: –      Release Date:  
Number Sold: –      Single User Price: (Contact Vendor)  
Report Date: 1/22/93      Report Updated: 11/24/93

**Vendor: Barton Group, Inc.**

POC: Technical Support  
Phone: 508-470-1167 Fax: 508-475-5045  
E-mail:  
Address: 28 Brady Loop  
Andover, MA 01810

**Description:** Translates between different vendors. A model mapping table enables the analyst to tailor the translation.

**Classification:** Reverse Engineering

**Features:**

**Languages Supported:** –

**Configurations:** PC/MS-DOS, VAX/VMS

**Tool: SIMPROCESS**

Version:      Release Date:  
Number Sold: –      Single User Price: (Contact Vendor)  
Report Date: 2/15/94      Report Updated: 9/22/94

**Vendor: CACI Advanced Technology Center**

POC: Technical Support  
Phone: 703-841-2968 Fax: 703-528-4196  
E-mail:  
Address: 1100 N Glebe Rd.  
Arlington, VA 22201

**Description:** SIMPROCESS evaluate both manual and automated steps, choosing the best balance between the two.

**Classification:** Reengineering, Business Process Reengineering, Reverse Engineering

**Features:**

**Languages Supported:**

**Configurations:** Mac, PC/MS-DOS, UNIX

*Software Technology Support Center (STSC)*

**Tool: DB Data Analyzer**

Version: 4.0      Release Date: 1/15/92  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 1/05/93      Report Updated:  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Cadre Technologies, Inc.**

POC: Jeff Jenks  
Phone: 408-562-0106 Fax: 408-727-1163  
E-mail:  
Address: 2880 Lakeside Dr., Ste. 231  
Santa Clara, CA 95054

**Description:** DB Data Analyzer furnishes capability for reengineering databases. It analyzes data and database definitions.

**Classification:** Reengineering, Database, Software Engineering Environment, Data Reengineering

**Features:**

**Languages Supported:** C

**Configurations:** DEC/ULTRIX, HP/HP-UX, IBM/AIX, PC/OS/2, Sun/Sun OS

**Tool: Ensemble**

Version: 5.0      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 4/06/93      Report Updated: 7/20/94

**Vendor: Cadre Technologies, Inc.**

POC: Jeff Jenks  
Phone: 408-562-0106 Fax: 408-727-1163  
E-mail:  
Address: 2880 Lakeside Dr., Ste. 231  
Santa Clara, CA 95054

**Description:** Ensemble is a collection of forward and reverse engineering tools. It captures design information and stores it in its design database, documents the design, generates test cases, and analyzes test completeness, among other capabilities.

**Classification:** Design, Coding, Testing, Quality Assurance, Metrics, Reengineering, Complexity Measurer, Coverage/Frequency Analyzer, Cross Referencing Tool, Forward Engineering, Requirements-Based Test Case Generator, Reverse Engineering, Structure Checker, Test Data Generator

**Features:** Cyclomatic Complexity

**Languages Supported:** C

**Configurations:** AIX, Sun OS, ULTRIX

**Tool: Ensemble Viewer**

Version:      Release Date: 7/01/94  
Number Sold: -      Single User Price: \$2,395  
Report Date: 4/06/93      Report Updated: 7/14/94

**Vendor: Cadre Technologies, Inc.**

POC: Technical Support  
Phone: 800-743-2273 Fax: 415-617-8756  
E-mail:  
Address: 4500 Bohannon Dr., Ste. 150  
Menlo Park, CA 94025

**Description:** Ensemble Viewer, an interactive 2D and 3D graphical tool for visualizing C programs.

**Classification:** Reengineering, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** C

**Configurations:** HP, IBM, Sun



*Appendix B: Product Sheets by Vendor Name*

**Tool: Teamwork/Ada Source Builder**

**Vendor: Cadre Technologies, Inc.**

Version: 4.0	Release Date: 1/31/91	POC: Doug Trolan
Number Sold: 5,000+	Single User Price: \$Inc. w/Teamwork	Phone: 800-743-2273 Fax: 408-727-1163
Report Date: 12/22/92	Report Updated:	E-mail:
Training available	Newsletter Available	Address: 2880 Lakeside Dr., Ste 231
Evaluation copy available	Site license available	Santa Clara, CA 95054

**Description:** Teamwork/Ada Source Builder transforms Ada structure graphs created with Teamwork/Ada to Ada source code.

**Classification:** Design, Coding, Documentation, Software Engineering Environment, Forward Engineering

**Features:**

**Languages Supported:** Ada

**Configurations:** Domain, DEC/ULTRIX, HP/HP-UX, HP/VMS, IBM/AIX, Sun/Sun OS

**Tool: Teamwork/ASG Builder**

**Vendor: Cadre Technologies, Inc.**

Version: 4.0	Release Date: 8/01/91	POC: Doug Trolan
Number Sold: 500+	Single User Price: \$450	Phone: 800-743-2273 Fax: 408-727-1163
Report Date: 12/22/92	Report Updated:	E-mail:
Training available	Newsletter Available	Address: 2880 Lakeside Dr., Ste 231
Evaluation copy available	Site license available	Santa Clara, CA 95054

**Description:** Teamwork/ASG Builder automatically creates Ada structure graphs from Ada source code. The Ada code injector can then be used to populate the notes that are attached to the ASG with the source code details. It creates ASGs for design-level documentation.

**Classification:** Requirements Trace, Design, Coding, Requirements Analysis, Documentation, Reengineering, Reuse, Software Engineering Environment, Reusable Components Identifier, Reverse Engineering

**Features:**

**Languages Supported:** Ada

**Configurations:** UNIX workstations (Sun, DEC, HP, IBM), DEC VMS and OS/2-based machines.

**Tool: Teamwork/C Rev**

**Vendor: Cadre Technologies, Inc.**

Version: 4.0	Release Date: 9/01/91	POC: Doug Trolan
Number Sold: 50+	Single User Price: \$8,500	Phone: 800-743-2273 Fax: 408-727-1163
Report Date: 1/04/93	Report Updated:	E-mail:
Training available	Newsletter Available	Address: 2880 Lakeside Dr., Ste 231
Evaluation copy available	Site license available	Santa Clara, CA 95054

**Description:** Teamwork/C Rev automatically generates structure charts using Teamwork/SD from C source code libraries and allowing the user to browse the source code from the structure charts. It is part of the Teamwork CASE environment.

**Classification:** Design, Documentation, Reengineering, Reuse, Software Engineering Environment, Reusable Components Identifier, Reverse Engineering

**Features:**

**Languages Supported:** C

**Configurations:** Domain, ULTRIX, HP/HP-UX, IBM/AIX, IBM/OS/2, Sun/Sun OS, VAX/VMS

*Software Technology Support Center (STSC)*

**Tool: Teamwork/C Source Builder**

Version: 4.0      Release Date: 1/31/91  
Number Sold: 15,000+      Single User Price: \$1200  
Report Date: 12/22/92      Report Updated:  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Cadre Technologies, Inc.**

POC: Doug Trolan  
Phone: 800-743-2273      Fax: 408-727-1163  
E-mail:  
Address: 2880 Lakeside Dr., Ste 231  
Santa Clara, CA 95054

**Description:** It provides the capability that transforms the structure charts from Teamwork/SD and the data dictionary entries in the Teamwork Project Environment into C source code.

**Classification:** Design, Coding, Software Engineering Environment, Forward Engineering

**Features:**

**Languages Supported:** C

**Configurations:** AIX, ULTRIX, and DOMAIN.

**Tool: Teamwork/DocGen**

Version: 4.0      Release Date: 11/01/91  
Number Sold: 150+      Single User Price: \$1,750  
Report Date: 12/22/92      Report Updated:  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Cadre Technologies, Inc.**

POC: Doug Trolan  
Phone: 800-743-2273      Fax: 408-727-1163  
E-mail:  
Address: 2880 Lakeside Dr., Ste 231  
Santa Clara, CA 95054

**Description:** Teamwork/DocGen provides automatic document generation for 2167A formal documentation requirements. It provides 37 additional features to Teamwork/DPI, security classification control, and a compare function on two documents.

**Classification:** Requirements Analysis, Documentation, Redocumenter

**Features:**

**Languages Supported:** C

**Configurations:** DEC/ULTRIX, HP/HP-UX, IBM/AIX, Rational/Domain, Sun/Sun OS, VAX/VMS

**Tool: Teamwork/FORTRAN Rev**

Version: 4.0      Release Date: 10/01/91  
Number Sold: 20+      Single User Price: \$8,500  
Report Date: 12/22/92      Report Updated:  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Cadre Technologies, Inc.**

POC: Doug Trolan  
Phone: 800-743-2273      Fax: 408-727-1163  
E-mail:  
Address: 2880 Lakeside Dr., Ste 231  
Santa Clara, CA 95054

**Description:** This product automatically creates structure charts using the Teamwork/SD graphical editor from FORTRAN source libraries. The charts can be cut and pasted into other systems for reuse. The code can be browsed from the structure chart.

**Classification:** Design, Documentation, Reengineering, Reuse, Software Engineering Environment, Reverse Engineering

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** DEC/ULTRIX, HP/HP-UX, IBM/AIX, Rational/Domain, Sun/Sun OS, VAX/VMS

*Appendix B: Product Sheets by Vendor Name*

**Tool: Teamwork/IM**

Version: 4.0      Release Date: 1/31/91  
Number Sold: 7,000+      Single User Price: \$1,750  
Report Date: 1/05/93      Report Updated:  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Cadre Technologies, Inc.**

POC: Doug Trolan  
Phone: 800-743-2273 Fax: 408-727-1163  
E-mail:  
Address: 2880 Lakeside Dr., Ste 231  
Santa Clara, CA 95054

**Description:** Teamwork/IM provides the capability to draw, edit, and check entity relationship diagrams. It's tightly integrated with the data dictionary within the Teamwork environment, and used for database design. It is Cadre's gateway to object-oriented analysis.

**Classification:** Design, Requirements Analysis, Documentation, Reengineering, Reuse, Database, Software Engineering Environment, Data Reengineering, Redocumenter, Reusable Components Identifier

**Features:**

**Languages Supported:** C++, FORTRAN

**Configurations:** DEC/ULTRIX, HP/HP-UX, HP/OS/2, HP/VMS, IBM/AIX, Rational/Domain, Sun/Sun OS

**Tool: Teamwork/OOD**

Version: 4.0      Release Date: 12/15/91  
Number Sold: 50+      Single User Price: \$2,775  
Report Date: 12/22/92      Report Updated:  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Cadre Technologies, Inc.**

POC: Doug Trolan  
Phone: 800-743-2273 Fax: 408-727-1163  
E-mail:  
Address: 2880 Lakeside Dr., Ste 231  
Santa Clara, CA 95054

**Description:** OOD for C++ provides the capability to draw, edit, and check object structure graphs which represent C++ design structures. It supports four views of an object-oriented design and automatically transforms OSGs to C++ code frames.

**Classification:** Design, Coding, Documentation, Software Engineering Environment, Forward Engineering

**Features:**

**Languages Supported:** C++

**Configurations:** DEC/ULTRIX, HP/HP-UX, HP/VMS, IBM/AIX, Rational/Domain, Sun/Sun OS

**Tool: CQS-Data Engineer (CQS)**

Version: -      Release Date: 1/01/92  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 6/25/92      Report Updated: 5/18/94

**Vendor: Carleton Corp.**

POC: Technical Support  
Phone: 617-272-4310 Fax: 617-272-2910  
E-mail:  
Address: 8 New England Executive Park  
Burlington, MA 01803

**Description:** CQS is an information retrieval and data conversion system which addresses difficult data migration requirements. The user is able to extract, match, merge, sort, and verify information from databases and/or file structures.

**Classification:** Reengineering, Data Reengineering, Restructurer

**Features:**

**Languages Supported:** COBOL

**Configurations:** IBM

*Software Technology Support Center (STSC)*

**Tool: LYDDIA**

Version:                      Release Date:  
Number Sold:    -              Single User Price:    \$295  
Report Date:    1/23/95       Report Updated:    1/23/95

**Vendor: Cascade Software Systems, Inc.**

POC:    Technical Support  
Phone:    617-862-6246    Fax:  
E-mail:  
Address:    33 Bedford Street, Suite 12  
                 Lexington, MA 02173

**Description:** LYDDIA is an object-oriented program that automatically generates an overview diagram and prints out the reference book as documentation, including introductory text, custom page numbers, and an alphabetic index. It also generates fully commented source code for data files and tables. LYDDIA automatically performs data normalization.

**Classification:** Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** Ada, C++

**Configurations:** PC

**Tool: ObjectCenter**

Version:    -                      Release Date:  
Number Sold:    -              Single User Price:    (Contact Vendor)  
Report Date:    1/27/93       Report Updated:    7/05/94

**Vendor: CenterLine Software, Inc.**

POC:    Dick Burgett  
Phone:    703-749-1100    Fax:    703-749-1108  
E-mail:    burgett@centerline.com  
Address:    7926 Jones Branch Dr., Ste. 1000  
                 McLean, VA 22102

**Description:** ObjectCenter is a UNIX programming environment for writing, understanding and maintaining C++ programs. It is designed to support development teams and software engineers throughout the product lifecycle. It translates from C to C++

**Classification:** Coding, Testing, Reengineering, Software Engineering Environment, Compiler, Cross Referencing Tool, Debugger, Linker, Source Code Translator, Structure Checker

**Features:**

**Languages Supported:** C, C++

**Configurations:** HP, IBM, Sun, UNIX

**Tool: ViewCenter**

Version:    2.5                      Release Date:    1/01/94  
Number Sold:    -              Single User Price:    (Contact Vendor)  
Report Date:    1/27/93       Report Updated:    7/20/94

**Vendor: CenterLine Software, Inc.**

POC:    Dick Burgett  
Phone:    703-749-1100    Fax:    703-749-1108  
E-mail:    burgett@centerline.com  
Address:    7926 Jones Branch Dr., Ste. 1000  
                 McLean, VA 22102

**Description:** This tool has a code generation that is automatic. It has a 16 Bit Internationalization and hypertext help. It will deliver a comprehensive user interface development system for C and C++ applications.

**Classification:** Coding, Code Generator, Forward Engineering

**Features:** GUI-Based Builder

**Languages Supported:** C, C++

**Configurations:** Sun/Sun OS, UNIX

*Appendix B: Product Sheets by Vendor Name*

**Tool: Maintainer's Assistant**

Version: 4.002B      Release Date: 8/07/92  
Number Sold: 1      Single User Price: \$150,000  
Report Date: 1/04/93      Report Updated: 10/20/94

**Vendor: Centre for Software Maintenance Ltd.**

POC: Technical Support  
Phone: 44 91 386 0420 Fax: 44 91 383 1243  
E-mail:  
Address: Mountjoy Research Centre, Stockton Rd.  
Durham, DH1 3LE UK

**Description:** Maintainer's is a software re-engineering, reverse engineering, and restructuring tool using formal program transformation in an interactive GUI environment.

**Classification:** Reengineering, X Design Extraction, Restructurer, Reverse Engineering

**Features:**

**Languages Supported:** --

**Configurations:** Sun

**Tool: Pacbase with Pacreverse**

Version: --      Release Date:  
Number Sold: --      Single User Price: (Contact Vendor)  
Report Date: 4/09/93      Report Updated:

**Vendor: CGI Systems, Inc.**

POC: J. David Owens  
Phone: 703-749-1100 Fax: 703-749-1108  
E-mail: burgett@centerline.com  
Address: 7926 Jones Branch Dr., Ste. 1000  
McLean, VA 22102

**Description:** PacReverse allows the user to reverse engineer a system module by module, and store the design information into the PacBase repository. The design information can then be mitigated from PacBase into an I-CASE system.

**Classification:** Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** COBOL

**Configurations:** IBM/MVS, PC/OS/2

**Tool: PACREVERSE**

Version: --      Release Date:  
Number Sold: --      Single User Price: (Contact Vendor)  
Report Date: 4/09/93      Report Updated: 7/05/94

**Vendor: CGI Systems, Inc.**

POC: Dick Ramsdell  
Phone: 800-722-1866 Fax: 914-735-2231  
E-mail:  
Address: One Blue Hill Plaza, PO Box 1645  
Pearl River, NY 10965

**Description:** PACREVERSE is aimed at the PACBASE application development system to reverse engineer code.

**Classification:** Coding, Reengineering, Cross Referencing Tool, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** COBOL

**Configurations:** PC/MS-DOS

*Software Technology Support Center (STSC)*

**Tool: RE/CYCLE**

Version: - Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 4/09/93 Report Updated:

**Vendor: CGI Systems, Inc.**

POC: Dick Ramsdell  
Phone: 800-722-1866 Fax: 914-735-2231  
E-mail:  
Address: One Blue Hill Plaza, PO Box 1645  
Pearl River, NY 10965

**Description:** This tool is a service offering that uses the PACREVERSE and PACBASE technology to capture an entire system.

**Classification:** Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** COBOL

**Configurations:** IBM/MVS

**Tool: Source/RE**

Version: 1.30 Release Date: 4/01/92  
Number Sold: 100 Single User Price: (Contact Vendor)  
Report Date: 4/09/93 Report Updated: 7/06/94

**Vendor: CGI Systems, Inc.**

POC: Dick Ramsdell  
Phone: 800-722-1866 Fax: 914-735-2231  
E-mail:  
Address: One Blue Hill Plaza, PO Box 1645  
Pearl River, NY 10965

**Description:** Source/RE analyze traditionally developed business applications programs. It furnishes a high level view of COBOL source code and JCL flow in the form of graphics on a IBM compatible PC.

**Classification:** Coding, Reengineering, X Analysis, Complexity Measurer, Cross Referencing Tool, Redocumenter, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** CICS, COBOL, JCL

**Configurations:** IBM compatible 640K RAM/ Hard Drive.

**Tool: Chen Workbench**

Version: 3.03 Release Date: 8/01/94  
Number Sold: 50+ Single User Price: \$199  
Report Date: 5/10/93 Report Updated: 10/18/94

**Vendor: Chen & Associates, Inc.**

POC: Technical Support  
Phone: 504-928-5765 Fax: 504-928-9371  
E-mail:  
Address: 4884 Constitution Ave., Ste. 1E  
Baton Rouge, LA 70808

**Description:** Chen Workbench can migrate design data from other dictionary/case tools to Chen tools. The company provides reengineering services.

**Classification:** Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** All

**Configurations:** DB2, IBM/SQL

*Appendix B: Product Sheets by Vendor Name*

**Tool: DDS-Link**

Version: - Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 6/28/93 Report Updated: 5/19/94

**Vendor: Chen & Associates, Inc.**

POC: David Hewins  
Phone: 800-722-1866 Fax: 914-735-2231  
E-mail:  
Address: One Blue Hill Plaza, PO Box 1645  
Pearl River, NY 10965

**Description:** DDS-Link convert ER-Diagram data into appropriate data formats suitable for uploading to mainframe data dictionary systems(DDS) such as; DB/DC, DEC CDD+ and generic format

**Classification:** Reengineering, Data Reengineering, Forward Engineering

**Features:**

**Languages Supported:** -

**Configurations:** DEC, IBM, UNISYS A

**Tool: ER-Designer**

Version: 3.00 Release Date: 2/01/92  
Number Sold: 1000+ Single User Price: \$495+  
Report Date: 1/07/93 Report Updated: 1/23/95  
Training available Newsletter Available  
Site license available

**Vendor: Chen & Associates, Inc.**

POC: David Hewins  
Phone: 800-722-1866 Fax: 914-735-2231  
E-mail:  
Address: One Blue Hill Plaza, PO Box 1645  
Pearl River, NY 10965

**Description:** ER-Designer allows the user to create ER diagrams using the Chen notation. These diagrams are suitable for everyone lug meeving, normal, ogation, reporting and echema generation.

**Classification:** Design, Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** C

**Configurations:** PC/MS-DOS

**Tool: Reverse Engineering Tool**

Version: 2.11 Release Date: 10/01/91  
Number Sold: 1000+ Single User Price: \$995-2995  
Report Date: 1/26/93 Report Updated: 10/31/94  
Training available Newsletter Available  
Site license available

**Vendor: Chen & Associates, Inc.**

POC: Technical Support  
Phone: 504-928-5765 Fax: 504-928-9371  
E-mail:  
Address: 4884 Constitution Ave., Ste. 1E  
Baton Rouge, LA 70808

**Description:** The Reverse Engineering Tool for IMS captures database descriptions from currently installed IMS applications. It then converts this existing IMS schema into an ER diagram and/or an IMS hierarchical diagram which can be graphically displayed.

**Classification:** Reengineering, Data Reengineering, Forward Engineering, Restructurer, Reverse Engineering

**Features:**

**Languages Supported:** DBMS

**Configurations:** Windows.

*Software Technology Support Center (STSC)*

**Tool: SchemaGen**

Version:                      Release Date:  
Number Sold:    -              Single User Price: \$195 +  
Report Date: 11/21/91      Report Updated: 2/22/95

Site license available

**Vendor: Chen & Associates, Inc.**

POC: Technical Support  
Phone: 504-928-5765 Fax: 504-928-9371  
E-mail:  
Address: 4884 Constitution Ave., Ste. 1E  
Baton Rouge, LA 70808

**Description:** Reads C&A's ER-Designer or Normalizer data files and generates database schemas for specific DBMSs including DB2, IMS, IDMS, Oracle, ADABAS, Ingres and dBase. Includes reverse engineering capability which allows existing schemas to convert to entity relationship diagram.

**Classification:** Case-Based Reasoning, Reverse Engineering

**Features:**

**Languages Supported:** DB2, IDMS, IMS

**Configurations:** IMS/DC, DB2

**Tool: allCLEAR**

Version: 3.0                      Release Date: 10/01/94  
Number Sold: 5,000              Single User Price: \$299.95  
Report Date: 1/03/94              Report Updated: 10/18/94  
Training available  
Evaluation copy available              Site license available

**Vendor: CLEAR Software, Inc.**

POC: Colleen Terry  
Phone: 617-965-6755 Fax: 617-965-5310  
E-mail:  
Address: 385 Elliot St.  
Newton, MA 02164

**Description:** Create flow charts, org charts and decision tress without drawing, dragging or dropping a single line. allCLEAR is automating, yet versatile enough to give all the tools to fully customize any element of your diagram.

**Classification:** Project Management, Reengineering, Reverse Engineering

**Features:** Comprehensive documentation

**Languages Supported:** C, DB2

**Configurations:** PC/MS-DOS, PC/Windows

**Tool: CLEAR Plus**

Version: 2.1                      Release Date: 9/01/89  
Number Sold: -                      Single User Price: \$200  
Report Date: 1/05/93              Report Updated: 6/30/94

Evaluation copy available

**Vendor: CLEAR Software, Inc.**

POC: Colleen Terry  
Phone: 617-965-6755 Fax: 617-965-5310  
E-mail:  
Address: 385 Elliot St.  
Newton, MA 02164

**Description:** CLEAR Plus checks C code or dBASE for logic, it also flowcharts procedures, and tree charts code.

**Classification:** Documentation, Project Management, Reengineering, Reuse, Data Reengineering, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** C, DB2

**Configurations:** IBM XT, AT, and compatibles; MS-DOS 3.0+.



*Appendix B: Product Sheets by Vendor Name*

**Tool: FOR\_C**

Version: 3.5      Release Date: 10/01/94  
Number Sold: -      Single User Price: \$975+  
Report Date: 1/07/93      Report Updated: 10/20/94  
Training available  
Evaluation copy available      Site license available

**Vendor: Cobalt Blue, Inc.**

POC: Beverley Lightfoot  
Phone: 404-518-1116 Fax: 404-640-1182  
E-mail:  
Address: 875 Old Roswell Rd., Ste. D-400  
Roswell, GA 30076

**Description:** FORTRAN to C conversion package. Converts standard FORTRAN-77 with VAX, Prime, IBM-VS and FORTRAN-90 extensions to ANSI C. Offers static analysis and error checking. Provides C-like preprocessor for mapping FORTRAN library calls to comparable C calls. Includes de-include capability for translating and optimizing commons and parameters is FORTRAN.

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:** C, FORTRAN

**Configurations:** HP/HP-UX, IBM, PC/MS-DOS, SGraphics, Sun/SPARC, VAX/VMS

**Tool: FOR\_C++**

Version: 1.2.4      Release Date: 10/01/94  
Number Sold: -      Single User Price: \$975+  
Report Date: 1/07/93      Report Updated: 10/20/94  
Training available  
Evaluation copy available      Site license available

**Vendor: Cobalt Blue, Inc.**

POC: Beverley Lightfoot  
Phone: 404-518-1116 Fax: 404-640-1182  
E-mail:  
Address: 875 Old Roswell Rd., Ste. D-400  
Roswell, GA 30076

**Description:** FOR\_C++ converts standard FORTRAN into C++ supporting many common VAX extensions. It produces readable and maintainable C, with I/O translations. It also uses a C-style preprocessor and C++/C prototypes and has extensive run-time libraries.

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:** C++, FORTRAN

**Configurations:** IBM, PC/MS-DOS, Sun/SPARC, VAX/VMS

**Tool: FOR\_STRUCT**

Version: 2.1      Release Date: 12/01/93  
Number Sold: -      Single User Price: \$1,295  
Report Date: 1/07/93      Report Updated: 10/20/94  
Training available  
Evaluation copy available      Site license available

**Vendor: Cobalt Blue, Inc.**

POC: Beverley Lightfoot  
Phone: 404-518-1116 Fax: 404-640-1182  
E-mail:  
Address: 875 Old Roswell Rd., Ste. D-400  
Roswell, GA 30076

**Description:** Transforms spaghetti FORTRAN-IV and FORTRAN-77 into structured code. Five structuring levels are offered with dozens of output style options. Preserves the original code logic and can remove dead code. Dead segments are removed.

**Classification:** Coding, Reengineering, Reformatter, Restructurer, Structure Checker, Redocumenter

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** HP, PC/MS-DOS, RISC 6000, Sun/Sun OS, VAX/VMS

*Software Technology Support Center (STSC)*

**Tool: FOR\_STUDY**

Version: 1.1      Release Date: 9/01/93  
Number Sold: -      Single User Price: \$450+  
Report Date: 7/22/93      Report Updated: 7/01/94  
Training available

Site license available

**Vendor: Cobalt Blue, Inc.**

POC: Beverley Lightfoot  
Phone: 404-518-1116 Fax: 404-640-1182  
E-mail:  
Address: 875 Old Roswell Rd., Ste. D-400  
Roswell, GA 30076

**Description:** FOR\_STUDY is a FORTRAN code analysis tool to detect hidden bugs, locate excess code and to generate valuable programmer's documentation for clear and thorough understanding of FORTRAN programs.

**Classification:** Coding, Testing, Documentation, Reengineering, Cross Compiler, Debugger, Defect/Change Tracker, Redocumenter

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** HP-UX, PC/MS-DOS, Sun/Sun OS

**Tool: GPSA**

Version: 2.0      Release Date: 11/01/91  
Number Sold: 4 Sites      Single User Price: \$8,000  
Report Date: 1/27/93      Report Updated: 7/01/94

Evaluation copy available

Site license available

**Vendor: COBOL Maintenance Technologies**

POC: Gordon Pannell  
Phone: 619-429-0121 Fax: -  
E-mail:  
Address: PO Box 122069  
Chula Vista, CA 91912

**Description:** GPSA is a system-wide COBOL analysis and documentation toolset. An interactive viewing facility and 26 reports provide complex cross-reference of every program, copybook, paragraph and data-name.

**Classification:** Coding, Documentation, Quality Assurance, Reengineering, Reuse, Cross Referencing Tool, Reusable Components Identifier, Reverse Engineering, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** COBOL

**Configurations:** PC/MS-DOS

**Tool: PowerDesigner**

Version:      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 7/06/92      Report Updated: 1/31/95

**Vendor: Cognos Corp.**

POC: Technical Support  
Phone: 617-535-7350 Fax: -  
E-mail:  
Address: 2 Corporate Place I-95  
Peabody, MA 01960

**Description:** PowerDesigner is an analysis and design tool that provides significant benefits and allows you to achieve key business objectives such as: Improved quality and completeness of applications, extensive design and user documentation, investment protection through integration, deliver systems that more accurately reflect business needs. PowerDesigner produces reports that detect and highlight all potential problems, inconsistencies and omissions from the initial design stages.

**Classification:** Design, Requirements Analysis, Reengineering, Capture-Replay Tool, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** -

**Configurations:** IBM/OS/2

*Appendix B: Product Sheets by Vendor Name*

**Tool: CA-MetaCOBOL+**

Version: 1.1      Release Date: 1/01/89  
Number Sold: –      Single User Price: (Contact Vendor)  
Report Date: 1/04/93      Report Updated:  
Training available      Newsletter Available

**Vendor: Computer Associates Intl.**

POC: Dana Williams  
Phone: 800-225-5224 Fax: –  
E-mail:  
Address: One Computer Associates Plaza  
Islandia, NY 11788

**Description:** This tool is a high-level application development and maintenance workstation for batch and CICS COBOL users. It creates program shells, generates prevalidated code, submits jobs and allows on-line browsing of output.

**Classification:** Design, Coding, Quality Assurance, Reengineering, Software Engineering Environment, Forward Engineering, Reformatter, Redocumenter

**Features:**

**Languages Supported:** COBOL

**Configurations:** IBM System 370/390 architecture, MVS, VSE, VM.

**Tool: CA-MIGRATE/COBOL**

Version: 2.0      Release Date: 1/01/88  
Number Sold: –      Single User Price: (Contact Vendor)  
Report Date: 1/04/93      Report Updated:  
Training available      Newsletter Available

**Vendor: Computer Associates Intl.**

POC: Technical Support  
Phone: 800-225-5224 Fax: –  
E-mail:  
Address: One Computer Associates Plaza  
Islandia, NY 11788

**Description:** An automated tool for migrating from DOS VS/COBOL and OS VS/COBOL to VS COBOL/II. In addition to converting CICS macro command level applications to CICS command level or VS COBOL/II, it also converts DL/I call-level coding to EXEC-level code.

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:** COBOL

**Configurations:** IBM system 370/390 architecture, MVS, VSE.

**Tool: CA-TELON**

Version: –      Release Date:  
Number Sold: –      Single User Price: (Contact Vendor)  
Report Date: 3/02/93      Report Updated:

**Vendor: Computer Associates Intl.**

POC: Bill Bradley  
Phone: 800-225-5224 Fax: –  
E-mail:  
Address: One Computer Associates Plaza  
Islandia, NY 11788

**Description:** This is an Application Development tool that is made with an open architecture approach to fit within the framework. Every component offers innovative solutions to alternate the Application Development process.

**Classification:** System Simulation, Design, Coding, Reengineering, Forward Engineering

**Features:**

**Languages Supported:** COBOL, PL/I

**Configurations:** IBM

*Software Technology Support Center (STSC)*

**Tool: CA-TELON PWS**

Version: – Release Date:  
Number Sold: – Single User Price: (Contact Vendor)  
Report Date: 3/02/93 Report Updated:

**Vendor: Computer Associates Intl.**

POC: Bill Bradley  
Phone: 800-225-5224 Fax: –  
E-mail:  
Address: One Computer Associates Plaza  
Islandia, NY 11788

**Description:** This tool is a full system life cycle application generator that contains design, generation abilities, and prototyping. These components have been implemented to fully support investments in computing environments.

**Classification:** System Simulation, Design, Coding, Forward Engineering

**Features:**

**Languages Supported:** COBOL, PL/1

**Configurations:** IBM

**Tool: Software Reengineering Environment (SRE)**

Version: 4.0 Release Date: 3/31/93  
Number Sold: – Single User Price: (Contact Vendor)  
Report Date: 10/15/93 Report Updated: 7/06/94

**Vendor: Computer Command and Control Co.**

POC: Evan Lock  
Phone: 215-854-0555 Fax: 215-854-0665  
E-mail:  
Address: 2300 Chestnut St., Ste 230  
Philadelphia, PA 19103

**Description:** SRE consists of a thread of processing old software into redesigned Ada software. Parsing, analyzing, restructuring and loading the source software into graphic repository. SRE generates Ada code.

**Classification:** Quality Assurance, Reengineering, Compiler, Forward Engineering, Restructurer, Retargeting, Reverse Engineering

**Features:**

**Languages Supported:** Ada, CMS-2

**Configurations:** DECstation, VAX/VMS

**Tool: COBOL/METRICS**

Version: – Release Date:  
Number Sold: – Single User Price: (Contact Vendor)  
Report Date: 1/27/93 Report Updated: 1/30/95

**Vendor: Computer Data Systems, Inc.**

POC: Technical Support  
Phone: 301-921-7238 Fax: 301-948-9328  
E-mail:  
Address: One Curie Ct.  
Rockville, MD 20850-4389

**Description:** COBOL/METRICS is a management tool for prioritizing re-engineering efforts, allocating resources, and maintaining a quality assurance environment. It automatically presents a quantitative measurement of your code for identifying difficult to maintain systems and screening new programs before they enter your maintenance operation.

**Classification:** Requirements Analysis, Metrics, Reengineering, Complexity Measurer, Restructurer, Size Measurer, Statistical Analyzer

**Features:**

**Languages Supported:** COBOL

**Configurations:** PC

*Appendix B: Product Sheets by Vendor Name*

**Tool: CONFIGURE**

Version: 2.1.7      Release Date: 1/01/89  
Number Sold: 10+      Single User Price: \$9,000  
Report Date: 1/27/93      Report Updated: 10/31/94

**Vendor: Computer Data Systems, Inc.**

POC: Technical Support  
Phone: 301-921-7238 Fax: 301-948-9328  
E-mail:  
Address: One Curie Ct.  
Rockville, MD 20850-4389

**Description:** CONFIGURE helps DP managers establish, implement, and enforce standards relating to the physical appearance of COBOL source code.

**Classification:** Coding, Quality Assurance, Reengineering, Auditor, Reformatter, Redocumenter

**Features:**

**Languages Supported:** COBOL

**Configurations:**

**Tool: SCAN/COBOL**

Version: 2.4.5      Release Date: 1/01/79  
Number Sold: 200      Single User Price: \$30,000  
Report Date: 3/03/93      Report Updated: 10/31/94

**Vendor: Computer Data Systems, Inc.**

POC: Technical Support  
Phone: 301-921-7238 Fax: 301-948-9328  
E-mail:  
Address: One Curie Ct.  
Rockville, MD 20850-4389

**Description:** SCAN/COBOL is a static analyzer that creates up-to-date documentation, documents control and data flow, reveals overall logic structure, and identifies potential problem areas.

**Classification:** Coding, Quality Assurance, Reengineering, Auditor, Redocumenter, Reverse Engineering, Structure Checker, Symbolic Execution Tool, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** COBOL

**Configurations:** IBM

**Tool: SUPERSTRUCTURE/RETOOL**

Version:      Release Date:  
Number Sold: -      Single User Price: \$2500-\$4000  
Report Date: 1/27/93      Report Updated: 1/30/95

**Vendor: Computer Data Systems, Inc.**

POC: Technical Support  
Phone: 301-921-7238 Fax: 301-948-9328  
E-mail:  
Address: One Curie Ct.  
Rockville, MD 20850-4389

**Description:** SUPERSTRUCTURE and RETOOL are based on simulation and graph theory approaches that transform even the most unstructured code into programs which are easier to understand and maintain. They create a functional cohesion within the system because they bring together program modules that are functionally related.

**Classification:** Reengineering, Redocumenter

**Features:**

**Languages Supported:** COBOL

**Configurations:** PC

*Software Technology Support Center (STSC)*

**Tool: DESIGN GENERATOR**

Version:                      Release Date:  
Number Sold:    -              Single User Price:    \$995  
Report Date:    3/07/94       Report Updated:    6/30/94  
Training available

**Vendor: Computer Sciences Corp.**

POC:    Wayne Kelley  
Phone:    703-876-1223    Fax:  
E-mail:  
Address:    3170 Fairview Park Dr.  
             Falls Church, VA 22042

**Description:** DESIGN GENERATOR supports the requirements analysis, preliminary design, and detailed design phases of the software development lifecycle. The tool provides data flow diagrams, entity-relationship attribute diagrams, state transition diagrams, and structure charts automatically capturing and maintaining significant amounts of data dictionary information. The tool supports both analysts and designers in developing structured design. The tool can also be used to measure the complexity of software designs.

**Classification:** Requirements Trace, Design, Coding, Requirements Analysis, Testing, Quality Assurance, Metrics, Reengineering, Complexity Measurer, Data Reengineering, Test Data Generator

**Features:**

**Languages Supported:**

**Configurations:** IBM, PC/MS-DOS

**Tool: SILVERRUN-ERX**

Version:    -                      Release Date:  
Number Sold:    -                  Single User Price:    (Contact Vendor)  
Report Date:    12/22/92       Report Updated:    5/13/94

**Vendor: Computer Systems Advisers, Inc.**

POC:    Dianne M. Langeland  
Phone:    201-391-6500    Fax:    201-391-2210  
E-mail:  
Address:    50 Tice Blvd.  
             Woodcliff Lake, NJ 07675

**Description:** This tool is used as a reverse data engineering tool to reconstruct existing systems. It takes the user through every step of constructing data models, offering suggestions, aid, and executing operations automatically or when instructed.

**Classification:** Design, Reengineering, Restructurer, Reverse Engineering

**Features:**

**Languages Supported:** DBMS

**Configurations:**

**Tool: DATATEC**

Version:    6.2.1                      Release Date:  
Number Sold:    100,000       Single User Price:    (Contact Vendor)  
Report Date:    1/05/93       Report Updated:    10/26/94

**Vendor: Compuware Corp.**

POC:    Lynn M. Allman  
Phone:    201-391-6500    Fax:    201-391-2210  
E-mail:  
Address:    50 Tice Blvd.  
             Woodcliff Lake, NJ 07675

**Description:** DATATEC analyze COBOL systems and identify undocumented, redundant, and inconsistent data definitions. It lets the creation of standardized definitions with meaningful, descriptive data names.

**Classification:** Coding, Testing, Reengineering, Data Name Rationalizer, Forward Engineering, Syntax & Semantics Analyzer, Data Reengineering

**Features:**

**Languages Supported:** COBOL, COBOL II

**Configurations:** IBM, MVS/ESA, MVS/SPARC, MVS/XA, PC/MS-DOS

*Appendix B: Product Sheets by Vendor Name*

**Tool: PATHVU**

Version: - Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 3/15/93 Report Updated: 7/05/94

**Vendor: Compuware Corp.**

POC: Lynn M. Allman  
Phone: 201-391-6500 Fax: 201-391-2210  
E-mail:  
Address: 50 Tice Blvd.  
Woodcliff Lake, NJ 07675

**Description:** PATHVU is a structure checker, symbolic execution, reverse engineering, static path flow analyzer, cross referencer, and complexity measurer tool.

**Classification:** Coding, Reengineering, Complexity Measurer, Cross Referencing Tool, Reverse Engineering, Structure Checker, Symbolic Execution Tool

**Features:**

**Languages Supported:** COBOL, SQL

**Configurations:** IBM/MVS, PC/MS-DOS

**Tool: Retrofit**

Version: - Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 3/18/93 Report Updated:

**Vendor: Compuware Corp.**

POC: Lynn M. Allman  
Phone: 201-391-6500 Fax: 201-391-2210  
E-mail:  
Address: 50 Tice Blvd.  
Woodcliff Lake, NJ 07675

**Description:** This automatically converts unstructured COBOL code to standard COBOL conforming to your organization's programming standards.

**Classification:** Restructurer

**Features:**

**Languages Supported:** IMS

**Configurations:** MVS/ESA, PC/MS-DOS

**Tool: ADAPRETY**

Version: - Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 12/26/91 Report Updated: 10/17/94

**Vendor: Concurrent Computer Corp.**

POC: Technical Support  
Phone: 908-870-4500 Fax: 908-870-4249  
E-mail:  
Address: 2 Crescent Pl.  
Oceanport, NJ 07757

**Description:** ADAPRETY is a pretty printer tool for Ada.

**Classification:** Reengineering, Reformatter, Redocumenter

**Features:**

**Languages Supported:** Ada

**Configurations:** Concurrent/OS/32

*Software Technology Support Center (STSC)*

**Tool: X-ANALYSIS**

Version: 2.1.3      Release Date: 9/01/93  
Number Sold: 960      Single User Price: \$18,000+  
Report Date: 1/06/93      Report Updated: 7/06/94  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Databorough, Inc.**

POC: William Grossman  
Phone: 800-444-9397 Fax: 510-838-1672  
E-mail:  
Address: PO Box 873  
Alamo, CA 94507-0873

**Description:** X-ANALYSIS analyzes existing systems and automatically generates a new one automatically. Its tracks and controls system changes. It features include reverse engineering, restructuring and auditing, automated program generation, and local data modeling.

**Classification:** Design, Coding, Testing, Documentation, Reengineering, Database, Auditor, Code Generator, Cross Referencing Tool, Data Name Rationalizer, Forward Engineering, Restructurer, Reverse Engineering, Structure Checker, Data Reengineering

**Features:**

**Languages Supported:** C, COBOL, RPG

**Configurations:** AS/400

**Tool: COBOL Program Generator (CPG)**

Version: 5.3      Release Date: 12/01/93  
Number Sold: 160      Single User Price: \$50,000  
Report Date: 1/04/93      Report Updated: 10/20/94

**Vendor: David R. Black & Assoc., Inc.**

POC: David R. Black  
Phone: 216-688-2741 Fax: -  
E-mail: -  
Address: PO Box 335  
Munroe Falls, OH 44262

**Description:** CPG automatically writes ANSI-74 or ANSI-85 COBOL programs, writes program and system documentation, tracks and maintains source code, and provides a complete CASE system for program development.

**Classification:** Design, Coding, Testing, Configuration Management, Reengineering, Forward Engineering

**Features:**

**Languages Supported:** COBOL

**Configurations:** VAX/VMS

**Tool: DB Designer**

Version: 4.0      Release Date: 1/15/92  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 9/29/94      Report Updated: 10/24/94  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: DBStar, Inc.**

POC: Technical Support  
Phone: 415-512-0300 Fax: 415-512-0302  
E-mail:  
Address: 185 Berry St., Ste. 5501  
San Francisco, CA 94107

**Description:** DB Designer provides the capability for designing new databases, optimizing existing database design, and reengineering or migrating from old files and non-relational databases to relational databases.

**Classification:** Design, Reengineering, Database, Software Engineering Environment, Data Reengineering

**Features:**

**Languages Supported:** C, DBMS, IMS, VSAM

**Configurations:** DEC/ULTRIX, HP/HP-UX, IBM/AIX, PC/OS/2, Sun/Sun OS



*Appendix B: Product Sheets by Vendor Name*

**Tool: DBStar**

Version: 3.4  
Number Sold: 50  
Report Date: 9/29/94  
Training available

Release Date: 7/01/94  
Single User Price: \$29,000-\$44,000  
Report Updated: 11/07/94  
Site license available

**Vendor: DBStar, Inc.**

POC: Technical Support  
Phone: 415-512-0300 Fax: 415-512-0302  
E-mail:  
Address: 185 Berry St., Ste. 5501  
San Francisco, CA 94107

**Description:** DBStar automates the discovery of business rules from legacy files and databases. It generates a third normal form data model and support migration to Oracle, Sybase and several other RDBMS.

**Classification:** Design, Reengineering, Database, Business Process Reengineering, Code Generator, Data Name Rationalizer, Data Reducer & Analyzer, Data Reengineering, Forward Engineering, Retargeting, Reverse Engineering

**Features:**

**Languages Supported:** DB2

**Configurations:** Sun/SPARC, Sun/Sun OS

**Tool: DEC FUSE**

Version: 1.2  
Number Sold: -  
Report Date: 1/27/93

Release Date: 2/01/93  
Single User Price: (Contact Vendor)  
Report Updated: 5/16/94

**Vendor: Digital Equipment Corp.**

POC: Technical Support  
Phone: 800-344-4825 Fax: 603-881-2381  
E-mail:  
Address: 146 Mairr St.  
Maynard, MA 01754-2571

**Description:** The DEC FUSE provides code analysis, forward/reverse engineering, redocumentation, and restructuring of several languages. It also provides calling trees and cross reference diagrams.

**Classification:** Coding, Reengineering, Cross Referencing Tool, Redocumenter, Restructurer, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** Ada, C, COBOL, FORTRAN, Pascal

**Configurations:** DEC/ULTRIX, Sun/Solaris2.1

**Tool: VAX SCAN (SCAN)**

Version: 1.2  
Number Sold: -  
Report Date: 12/23/92

Release Date: 2/01/93  
Single User Price: (Contact Vendor)  
Report Updated: 9/27/93

**Vendor: Digital Equipment Corp.**

POC: Technical Support  
Phone: 800-344-4825 Fax: 603-881-2381  
E-mail:  
Address: 146 Mairr St.  
Maynard, MA 01754-2571

**Description:** VAX SCAN is a high-level language designed for text processing. VAX SCAN has powerful constructs for matching complex test patterns and sorting. It can build filters, translators, extractors, preprocessors, and parsers.

**Classification:** Reengineering, Data Reengineering, Reformatter, Retargeting, Redocumenter

**Features:**

**Languages Supported:** Ada, Assembler, C, C++, COBOL, FORTRAN, JOVIAL, Pascal, PL/1

**Configurations:** VAX/VMS

*Software Technology Support Center (STSC)*

**Tool: VAXset/Program Design Facility (VAXset/PDF)**

Version: 1.2      Release Date: 2/01/93  
Number Sold: —      Single User Price: (Contact Vendor)  
Report Date: 12/23/92      Report Updated:

**Vendor: Digital Equipment Corp.**

POC: Technical Support  
Phone: 800-344-4825 Fax: 603-881-2381  
E-mail:  
Address: 146 Mairr St.  
Maynard, MA 01754-2571

**Description:** VAXset is a set of software engineering tools for the development, testing, and maintenance of application programs. The six components include, SCA, LSE, CMS, MMS, PCA, and DTM. VAXset with Program Design Facility also supports reengineering.

**Classification:** Coding, Testing, Configuration Management, Quality Assurance, Reengineering, Software Engineering Environment, Auditor, Capture-Replay Tool, Coverage/Frequency Analyzer, Language Sensitive Editor, Performance/Timing Analyzer, Restructurer, Reverse Engineering, Test Execution Manager

**Features:**

**Languages Supported:** Ada, Assembler, C, C++, COBOL, FORTRAN, JOVIAL, Pascal, PL/1

**Configurations:** MicroVAX, MicroVAX/VMS, VAX, VAXstation

**Tool: METAgen**

Version: 1.2      Release Date: 11/01/93  
Number Sold: 20+      Single User Price: \$8,000  
Report Date: 8/24/94      Report Updated: 10/20/94

**Vendor: Dynasty Technologies, Inc.**

POC: Technical Support  
Phone: 708-355-8300 Fax: 708-355-9345  
E-mail:  
Address: 500 Technology Dr., Suite 100  
Naperville, IL 60563

**Description:** METAgen is a reengineering tool.

**Classification:** Reengineering, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** CICS, COBOL, VSAM

**Configurations:** IBM/MVS, IBM/VSE, PC/MS-DOS

**Tool: Q/Artisan**

Version: 2.2      Release Date: 1/01/91  
Number Sold: —      Single User Price: (Contact Vendor)  
Report Date: 4/08/93      Report Updated: 7/06/94  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Eden Systems Corp.**

POC: Elizabeth A. Wilson  
Phone: 800-288-9510 Fax: 317-843-2271  
E-mail:  
Address: 14950 Greyhound Court, Suite 201  
Carmel, IN 46032

**Description:** Q/Artisan is a rule-based COBOL transformation software tool that helps the programs to cooperate with more of the group's programming standards without any effort from the programmers.

**Classification:** Coding, Quality Assurance, Reengineering, Software Engineering Environment, Auditor, Commenter, Redocumenter, Restructurer, Retargeting

**Features:**

**Languages Supported:** COBOL

**Configurations:** IBM/MVS

*Appendix B: Product Sheets by Vendor Name*

**Tool: Q/ARTISAN PC**

Version: 2.2      Release Date: 1/01/91  
Number Sold: -      Single User Price: \$1,495  
Report Date: 4/08/93      Report Updated: 7/06/94  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Eden Systems Corp.**

POC: Elizabeth A. Wilson  
Phone: 800-288-9510 Fax: 317-843-2271  
E-mail:  
Address: 14950 Greyhound Court, Suite 201  
Carmel, IN 46032

**Description:** Q/ARTISAN PC rewrites existing COBOL code to design more reliable COBOL programs. It is a rules-based transformation tool. Customers can choose transformation rules to be used in generating customized rules or rewriting programs.

**Classification:** Coding, Quality Assurance, Reengineering, Software Engineering Environment, Auditor, Commenter, Redocumenter, Restructurer, Retargeting

**Features:**

**Languages Supported:** COBOL

**Configurations:** PC-DOS, OS/2 (2MB Memory).

**Tool: Reformat**

Version: 4.0      Release Date: 1/01/92  
Number Sold: 20      Single User Price: \$3,000  
Report Date: 12/23/92      Report Updated: 10/26/94

**Vendor: EDP Management, Inc.**

POC: Diana G. Cox  
Phone: 800-288-9510 Fax: 317-843-2271  
E-mail:  
Address: 14950 Greyhound Court, Suite 201  
Carmel, IN 46032

**Description:** Reformat physically restructures COBOL source programs for easier readability and conformance to standards.

**Classification:** Reengineering, Restructurer

**Features:**

**Languages Supported:** COBOL

**Configurations:** B2000/MCP, B4900/MCP

**Tool: TranZform**

Version:      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 2/28/95      Report Updated: 2/28/95

**Vendor: Encore Computer Corporation**

POC: Technical Support  
Phone: 301-595-9896 Fax: 301-595-9265  
E-mail:  
Address: 4061 Power Mill Road, Suite 400  
Calverton, MD 20705

**Description:** TranZform migration option and System Z 4GL (4th Generation Language) provides an environment for migrating existing Unisys COBOL and MAPPER applications to the Infinity 90. TranZform includes comprehensive conversion tools for both software and data plus a proven migration methodology, covering all aspects of software migration from planning to testing and implementation. Your migration to the Infinity 90 can be accomplished in concise, predictable time frames, minimizing risk.

**Classification:** Reengineering, Data Reengineering, Retargeting

**Features:**

**Languages Supported:** COBOL

**Configurations:** Apollo/Domain

*Software Technology Support Center (STSC)*

**Tool: UniKix**

Version:                      Release Date:  
Number Sold:    -              Single User Price: (Contact Vendor)  
Report Date: 2/28/95        Report Updated: 2/28/95

**Vendor: Encore Computer Corporation**

POC: Technical Support  
Phone: 301-595-9896 Fax: 3015959265  
E-mail:  
Address: 4061 Power Mill Road, Suite 400  
Calverton, MD 20705

**Description:** UniKix allows CICS/VSAM-compatible and CICS/DB2 On-line Transaction Processing (OLTP) to execute under the UMAX V Operating System. It provides the capability to easily port applications currently operating under CICS on the IBM mainframes to the Infinity 90 with virtually no source modifications.

**Classification:** Reengineering, Data Reengineering, Retargeting

**Features:**

**Languages Supported:** COBOL, VSAM

**Configurations:** UNIX

**Tool: EasyCASE**

Version: 4.2                      Release Date: 1/01/94  
Number Sold: 10,000+        Single User Price: \$995  
Report Date: 1/05/93        Report Updated: 2/28/95  
Training available              Newsletter Available  
Evaluation copy available       Site license available

**Vendor: Evergreen CASE Tools**

POC: Nancy J. Tandy  
Phone: 206-881-5149 Fax: 206-883-7676  
E-mail:  
Address: 8522 154th Ave. NE  
Redmond, WA 98052

**Description:** EasyCASE offers object-oriented editing, on-line access to an integrated data dictionary repository, and extensive reporting. EasyCASE supports Oracle, Ingres, Informix, XDB, Progress, DB2, Sybase, SQL Server, SQL Base and several others.

**Classification:** Design, Coding, Requirements Analysis, Reengineering, Database, Data Reengineering, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** --

**Configurations:** Windows, PC/MS-DOS, PC/Windows

**Tool: EXTRACT**

Version: 2.1                      Release Date: 5/01/92  
Number Sold: 15              Single User Price: \$202,000  
Report Date: 1/07/93        Report Updated: 7/01/94  
Training available              Site license available

**Vendor: Evolutionary Technologies, Inc.**

POC: Technical Support  
Phone: 512-346-3813 Fax: 512-346-3973  
E-mail:  
Address: 8920 Business Park Dr., Ste. 150  
Austin, TX 78759

**Description:** EXTRACT automates migration of data between different storage environments from any DBMS or file format to any other DBMS or file format regardless of platform. Used for system conversions and production interfaces.

**Classification:** Testing, Reengineering, Database, Data Extractor, Data Reengineering, Retargeting

**Features:**

**Languages Supported:** All

**Configurations:** Pyramid, RISC 6000, Sun/SPARC

*Appendix B: Product Sheets by Vendor Name*

**Tool: MacDesigner**

Version: 4.2  
Number Sold: 1000+  
Report Date: 3/01/93  
Release Date: 1/01/94  
Single User Price: (Contact Vendor)  
Report Updated: 6/30/94  
Newsletter Available  
Site license available  
Evaluation copy available

**Vendor: Excel Software**

POC: Technical Support  
Phone: 515-752-5359 Fax: 515-752-2435  
E-mail:  
Address: P.O. Box 1414  
Marshalltown, IA 50158

**Description:** MacDesigner is a data dictionary, structure designer, object-oriented designer, multitask designer, and requirements trace.

**Classification:** Requirements Trace, Design, Coding, Requirements Analysis, Testing, Documentation, Reengineering, Software Engineering Environment, Data Reengineering, Redocumenter

**Features:**

**Languages Supported:** --

**Configurations:** Mac/A/UX

**Tool: Translator**

Version: 1.0  
Number Sold:  
Report Date: 3/01/93  
Release Date: 1/01/94  
Single User Price: \$495  
Report Updated: 9/19/94

**Vendor: Excel Software**

POC: Technical Support  
Phone: 515-752-5359 Fax: 515-752-2435  
E-mail:  
Address: P.O. Box 1414  
Marshalltown, IA 50158

**Description:** The Translator automates the generation of diagrams within MacAnalyst and MacDesigner CASE tools from existing source code from many computers written in C, C++, Pascal, Basic, or Fortran.

**Classification:** Documentation, Reengineering, Forward Engineering, Redocumenter, Reverse Engineering, Source Code Translator, Structure Checker

**Features:**

**Languages Supported:** Basic, C, C++, FORTRAN, Pascal

**Configurations:** HP/HP-UX, Mac, Sun/Solaris2.1

**Tool: OmniMark**

Version:  
Number Sold: --  
Report Date: 4/28/94  
Release Date:  
Single User Price: (Contact Vendor)  
Report Updated: 4/28/94

**Vendor: EXOTERICA**

POC: Technical Support  
Phone: 800-565-9465 Fax: 613-722-5706  
E-mail:  
Address: 1545 Carling Ave., Ste. 404  
Ottawa, Ontario, K1Z8P9 Canada

**Description:** OmniMark is a specialized programming language for analyzing, modeling and processing test-intensive information. It enables the translation of rich text information to and from SGML.

**Classification:** Requirements Analysis, Reengineering, Code Generator, Source Code Translator

**Features:**

**Languages Supported:** SGML

**Configurations:** Mac, PC, UNIX, VAX/VMS

*Software Technology Support Center (STSC)*

**Tool: COBOL spII**

Version:                      Release Date:  
Number Sold:    -              Single User Price: (Contact Vendor)  
Report Date: 1/31/95          Report Updated: 1/31/95

**Vendor: Flexus International Corporation**

POC: Technical Support  
Phone: 610-588-9400 Fax: 610-588-3475  
E-mail:  
Address: P.O. Box 640  
Bangor, PA 18013-0640

**Description:** COBOL spII is an all-purpose user interface design and development tool developed specifically for COBOL programmers. It is a tool which supports the ability to build Character Mode Windows or Graphical User Interface (GUI) windows and incorporate them in COBOL program. It also supports advanced display features in both Character Mode and GUI Mode which are essential for the development of a modern program user interface.

**Classification:** Coding, Reengineering, Code Generator, Redocumenter, Text Editor

**Features:**

**Languages Supported:** COBOL

**Configurations:** MS-DOS, OS/2, Windows, DEC/UNIX, IBM/VMS

**Tool: SuperNOVA**

Version: 3.2                      Release Date:  
Number Sold:    -              Single User Price: \$990-\$100,000  
Report Date: 1/30/95          Report Updated: 1/30/95

**Vendor: Four Seasons Software**

POC: Technical Support  
Phone: 908-248-6667 Fax: 908-248-6675  
E-mail:  
Address: 2025 Lincoln Highway  
Edison, NJ 08817

**Description:** SuperNOVA is high-level, object-oriented, 4GL approach to application development substantially improves productivity and eliminates backlogs. Works with your database directly or via ODBC and includes free flat file interface for prototyping without any DBMS.

This utility translates SuperNOVA application files to 'C' code.

**Classification:** Reengineering, Database, Data Reengineering, Reverse Engineering, Source Code Translator

**Features:**

**Languages Supported:** C

**Configurations:** PC/MS-DOS, UNIX/Windows

**Tool: Design Review-Scope**

Version: -                      Release Date: 2/01/94  
Number Sold: 10              Single User Price: \$1,500  
Report Date: 8/18/93          Report Updated: 10/20/94

**Vendor: Further Inspection**

POC: Mark Schmidt  
Phone: 708-213-6935 Fax: 708-213-3158  
E-mail: uunet!inspect!schmidt  
Address: 623 Morning Glory Lane  
Bartlett, IL 60103

**Description:** The "Design Review" service provides source code based design documentation for different source code application. This service can be performed on both C and FORTRAN source.

**Classification:** Reengineering, Data Reengineering

**Features:**

**Languages Supported:** C, FORTRAN

**Configurations:** HP, IBM, Sun

*Appendix B: Product Sheets by Vendor Name*

**Tool: SEER**

Version: 4.0      Release Date:  
Number Sold: –      Single User Price: \$10,800  
Report Date: 5/10/94      Report Updated: 7/06/94

**Vendor: Galorath Associates, Inc.**

POC: Don McKibben  
Phone: 310-670-3404 Fax: 310-670-6481  
E-mail:  
Address: P.O.Box: 90579  
Los Angeles, CA 90009

**Description:** SEER is a family of products. It contains; hardware estimation, software size estimation, software cost and schedule estimation, and integrate circuit.

**Classification:** Design, Coding, Testing, Project Management, Quality Assurance, Metrics, Reengineering, Code Generator, Defect/Change Tracker, Maintainability Analyzer, Optimizer, Reliability Analyzer, Reverse Engineering, Size Measurer, Structure Checker

**Features:** Functions Points, SLOC Estimates

**Languages Supported:** C, FORTRAN

**Configurations:** Mac, PC

**Tool: CMS-2 Reverse Engineering Technology**

Version: 1.0      Release Date: 5/01/92  
Number Sold: –      Single User Price: (Contact Vendor)  
Report Date: 5/20/93      Report Updated:

**Vendor: General Electric Co. (R & D)**

POC: Joel N. Sturman  
Phone: 518-387-5457 Fax: 518-387-6928  
E-mail:  
Address: Bldg K-1 Room 3C1, PO Box 8  
Schenectady, NY 12301

Site license available

**Description:** CMS-2L Language Analyzer provides interface to CADRE's Teamwork/SD (Structured Design). Similar capabilities available for JOVIAL-J73

**Classification:** Reengineering, Reuse, Software Engineering Environment, Reusable Components Identifier, Reverse Engineering

**Features:**

**Languages Supported:** CMS

**Configurations:** SUN 3, SUN 4 (SPARC 1 + SPARC2, Etc.)

**Tool: Environment for Code Re-Engineering (ENCORE)**

Version: 2.1      Release Date: 6/01/92  
Number Sold: –      Single User Price: (Contact Vendor)  
Report Date: 1/28/93      Report Updated: 7/01/94

**Vendor: General Electric Co. (R & D)**

POC: Joel N. Sturman  
Phone: 518-387-5457 Fax: 518-387-6928  
E-mail:  
Address: Bldg K-1 Room 3C1, PO Box 8  
Schenectady, NY 12301

Site license available

**Description:** ENCORE is a graphical environment that supports code reengineering tasks including code translation from FORTRAN to Ada, control restructuring, data restructuring, and repackaging. It is available as a result of a translation service.

**Classification:** Coding, Reengineering, Reuse, Software Engineering Environment, Complexity Measurer, Data Reengineering, Restructurer, Source Code Translator

**Features:**

**Languages Supported:** CMS-2, FORTRAN, JOVIAL

**Configurations:** Sun 3, Sun 4 (Sparc 1+, Sparc2, etc.)

*Software Technology Support Center (STSC)*

**Tool: JOVIAL Reverse Engineering Technology (JRET)**

Version: 1.0 Release Date: 10/01/91  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 1/28/93 Report Updated:

Site license available

**Vendor: General Electric Co. (R & D)**

POC: Joel N. Sturman  
Phone: 518-387-5457 Fax: 518-387-6928  
E-mail:  
Address: Bldg K-1 Room 3C1, PO Box 8  
Schenectady, NY 12301

**Description:** A J73 language analyzer which provides an interface to CADRE's Teamwork/SD (Structured Design).

**Classification:** Reengineering, Reuse, Software Engineering Environment, Reverse Engineering

**Features:**

**Languages Supported:** JOVIAL

**Configurations:** Sun/Sun OS

**Tool: AdaQuest**

Version: 1.1 Release Date: 8/01/91  
Number Sold: 2 Single User Price: (Contact Vendor)  
Report Date: 1/04/93 Report Updated: 11/08/94

Training available

Evaluation copy available

Site license available

**Vendor: General Research Corp.**

POC: Michael G. Crawford  
Phone: 805-964-7724 Fax: 805-967-7094  
E-mail:  
Address: 5383 Hollister Ave., PO Box 6770  
Santa Barbara, CA 93160-6770

**Description:** AdaQuest static analysis examines branching structures, identifies logic errors, and performs audits against programming standards. AdaQuest dynamic analysis identifies unexecuted code and aids modification of the test data for better test coverage.

**Classification:** Coding, Testing, Quality Assurance, Metrics, Reengineering, Reuse, Auditor, Complexity Measurer, Maintainability Analyzer, Reliability Analyzer, Reusable Components Identifier, Reverse Engineering, Size Measurer, Structure Checker, Test Data Generator

**Features:** SLOC Actual

**Languages Supported:** Ada

**Configurations:** ULTRIX, DEC/ULTRIX, DECstation, VAX/VMS

**Tool: C-Vision for C**

Version: 3.1 Release Date: 5/01/93  
Number Sold: 2,000 Single User Price: \$139  
Report Date: 12/27/93 Report Updated: 10/18/94

Site license available

**Vendor: Gimpel Software**

POC: Anna Gimpel  
Phone: 215-584-4261 Fax: 215-584-4266  
E-mail:  
Address: 3207 Hogarth Ln.  
Collegeville, PA 19426

**Description:** Generates a cross-reference, hierarchy tree of C source code, also included an outlined listed and a reformatter.

**Classification:** Coding, Documentation, Reengineering, Cross Referencing Tool, Reformatter, Structure Checker, Redocumenter

**Features:**

**Languages Supported:** C

**Configurations:** PC/MS-DOS, PC/OS/2



*Appendix B: Product Sheets by Vendor Name*

**Tool: \$NAME**

Version:                      Release Date:  
Number Sold:                Single User Price: (Contact Vendor)  
Report Date: 5/10/93      Report Updated:

**Vendor: Global Software, Inc.**

POC: David Eddy  
Phone: 617-323-0949 Fax: -  
E-mail:  
Address: PO Box 2813  
Duxbury, MA 02331

**Description:** \$NAME allows an installation to establish a naming system, abbreviation standards, and standard terms to suit its particular needs. It assures these standards are applied rigorously and automatically when a new objects is defined.

**Classification:** Data Name Rationalizer, Data Reengineering

**Features:** Abbreviation of Standards

**Languages Supported:** Ada, COBOL, PL/1

**Configurations:** SQL

**Tool: OLGA**

Version: -                      Release Date:  
Number Sold: -                Single User Price: (Contact Vendor)  
Report Date: 3/15/93      Report Updated: 7/08/93

**Vendor: Global Software, Inc.**

POC: Duncan G. Connall  
Phone: 617-323-0949 Fax: -  
E-mail:  
Address: PO Box 2813  
Duxbury, MA 02331

**Description:** OLGA permits the enormous amount of valuable information about an organization's automated systems to be captured and maintained in a data dictionary.

**Classification:** Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** JCL

**Configurations:** SQL

**Tool: URMA**

Version: -                      Release Date:  
Number Sold: -                Single User Price: (Contact Vendor)  
Report Date: 7/20/92      Report Updated:

**Vendor: Global Software, Inc.**

POC: Duncan G. Connall  
Phone: 617-323-0949 Fax: -  
E-mail:  
Address: PO Box 2813  
Duxbury, MA 02331

**Description:** This product has various functions including maintenance to existing dictionary, comparison of sources to dictionary definitions and flagging or discrepancies, and intial loading of an "empty" dictionary from program and data definition source definitions

**Classification:** Reengineering, Data Name Rationalizer, Reverse Engineering, Data Reengineering

**Features:**

**Languages Supported:** COBOL, PL/1

**Configurations:** SQL

**Tool: EPOS 2000 (EPOS 90)**

Version: 2.0 Release Date: 12/30/93  
Number Sold: 7000+ Single User Price: \$DM 30.900,00  
Report Date: 12/21/93 Report Updated: 12/21/93  
Training available Newsletter Available  
Evaluation copy available Site license available

**Vendor: GPP Ges für Prozessrechnerprogrammierung**

POC: Tech. Support (GPPGFP)  
Phone: 4989-613040 Fax: 4989-61304294  
E-mail:  
Address: Kolpingring 18a  
Oberhaching, D-8024 Germany

**Description:** EPOS (Engineering and Project Management Oriented specification System) is a software tool system designed for computer support of all phases of system development including project management, Quality Assurance and Configuration Management.

**Classification:** System Simulation, Design, Coding, Project Management, Configuration Management, Quality Assurance, Reengineering, Code Generator, Redocumenter

**Features:** SQL interface available

**Languages Supported:** All

**Configurations:** HP-UX, DEC, PC/MS-DOS, Sun

**Tool: RE-DOC**

Version: 2.0 Release Date: 1/01/92  
Number Sold: 14+ Single User Price: \$28,000  
Report Date: 11/20/92 Report Updated: 7/06/94  
Training available  
Evaluation copy available Site license available

**Vendor: GPP Ges für Prozessrechnerprogrammierung**

POC: Mr. Ralf Lahm  
Phone: 4989-613040 Fax: 4989-61304294  
E-mail:  
Address: Kolpingring 18a  
Oberhaching, D-8024 Germany

**Description:** RE-DOC will create a variety of different, predominantly graphical documents from the original source code for an overview of the software's interrelationships automatically.

**Classification:** Coding, Documentation, Quality Assurance, Reengineering, Reuse, Redocumenter, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** Ada, C, CMS-2, FORTRAN, MACRO, Pascal

**Configurations:** DEC, HP, PC, Sun, VAX, VAXstation

**Tool: RE-SPEC**

Version: 2.0 Release Date: 1/01/92  
Number Sold: 45+ Single User Price: \$15,450 DM  
Report Date: 11/20/92 Report Updated: 7/06/94  
Training available  
Evaluation copy available Site license available

**Vendor: GPP Ges für Prozessrechnerprogrammierung**

POC: Tech. Support (GPPGFP)  
Phone: 4989-613040 Fax: 4989-61304294  
E-mail:  
Address: Kolpingring 18a  
Oberhaching, D-8024 Germany

**Description:** RE-SPEC runs specified designs out of existing sources written in C, Pascal, COBOL, and more. Descriptions like flow charts, dataflow and structure diagrams, and module connection diagrams can be produced. Translates from C, Cobol, Pascal, Fortran to Ada.

**Classification:** Coding, Documentation, Quality Assurance, Reengineering, Reuse, Redocumenter, Reverse Engineering, Source Code Translator, Structure Checker

**Features:**

**Languages Supported:** Ada, C, CMS-2, FORTRAN, MACRO, Pascal

**Configurations:** DEC, HP, HP/UNIX, IBM, PC/MS-DOS, Sun, Sun/Sun OS, VAX/VMS

*Appendix B: Product Sheets by Vendor Name*

**Tool: Ada-ASSURED**

Version: 2.3      Release Date: 8/01/94  
Number Sold: 300      Single User Price: \$1,795+  
Report Date: 10/28/93      Report Updated: 10/17/94

**Vendor: GrammaTech, Inc.**

POC: J. Vrms  
Phone: 607-273-7340 Fax: 607-273-8752  
E-mail: maint@grammatech.com  
Address: One Hopkins Place  
Ithac, NY 14850

**Description:** Ada-ASSURD provides a sophisticated language-sensitive editing environment for ada that increases both programmer productivity and compliance with software standards.

**Classification:** Documentation, Reengineering, Reformatter, Redocumenter

**Features:** Enforces SPC Ada Quality

**Languages Supported:** Ada

**Configurations:** DECstation, HP, IBM, Sun

**Tool: AdaFormat**

Version: -      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 7/24/92      Report Updated: 10/17/94

**Vendor: Hewlett-Packard**

POC: Joe Courant  
Phone: 800-752-0900 Fax: -  
E-mail:  
Address: 19447 Pruneridge Ave.  
Cupertino, CA 95014

**Description:** AdaFormat is an Ada source reformatter.

**Classification:** Reengineering, Reformatter, Redocumenter

**Features:**

**Languages Supported:** Ada

**Configurations:** HP-9000/HP-UX

**Tool: HP Ada/300 Development System**

Version: -      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 1/07/93      Report Updated: 7/01/94

**Vendor: Hewlett-Packard**

POC: Joe Courant  
Phone: 800-752-0900 Fax: -  
E-mail:  
Address: 19447 Pruneridge Ave.  
Cupertino, CA 95014

**Description:** This is a complete development system and execution environment. It includes the AdaProbe symbolic debugger, the AdaXref cross referencer, and AdaFormat Ada source reformatter.

**Classification:** Coding, Testing, Reengineering, Compiler, Cross Referencing Tool, Debugger, Reformatter, Redocumenter

**Features:**

**Languages Supported:** Ada

**Configurations:** HP-9000

*Software Technology Support Center (STSC)*

**Tool: OpenODB**

Version: - Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 12/01/93 Report Updated: 12/01/93

**Vendor: Hewlett-Packard**

POC: Technical Support  
Phone: 800-752-0900 Fax: -  
E-mail:  
Address: 19447 Pruneridge Ave.  
Cupertino, CA 95014

**Description:** OpenODB is an advanced object-oriented database management system.

**Classification:** Reengineering, Data Reengineering, Forward Engineering

**Features:** Object Identity

**Languages Supported:** C

**Configurations:** HP-UX, MPE

**Tool: PenAnalysis**

Version: 1.0 Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 10/20/94 Report Updated: 1/25/95  
Training available

**Vendor: Hitachi Software Engineering America**

POC: Technical Support  
Phone: 800-624-6176 Fax: 415-615-7699  
E-mail:  
Address: 1111 Bayhill Dr., Ste. 395  
San Bruno, CA 94066

**Description:** PenAnalysis Process and Data Modeling: captures business process data on a digitizing whiteboard for business area analysis in application development and business process reengineering environments. Used for data and process modeling. Can create and edit data flow, decomposition, and entity relationship diagrams. PenAnalysis Business Modeling: business process reengineering tool, is used to define, analyze and simulate business processes, evaluate "as is" and "to be" models and perform "what if" analysis.

**Classification:** System Simulation, Requirements Analysis, Reengineering, Software Engineering Environment, Business Process Reengineering

**Features:**

**Languages Supported:**

**Configurations:** PC/Windows

**Tool: PenAnalysis Modeling Tools**

Version: Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 10/20/94 Report Updated: 3/27/95

**Vendor: Hitachi Software Engineering America**

POC: Technical Support  
Phone: 800-624-6176 Fax: 415-615-7699  
E-mail:  
Address: 1111 Bayhill Dr., Ste. 395  
San Bruno, CA 94066

**Description:** PenAnalysis lets you import and export information from other software programs such as Sterling Software's Application Workbench/Analysis Workstation. Organizations that use CASE tools can use PenAnalysis to simplify CASE usage. It is portable and can help users bridge the systems analysis gap that still exists between MIS and end-user departments.

**Classification:** Reengineering, Business Process Reengineering

**Features:**

**Languages Supported:** --

**Configurations:** IBM, PC

*Appendix B: Product Sheets by Vendor Name*

**Tool: JOVIAL/ADA TRANSLATOR**

**Vendor: Hughes Aircraft/Radar Systems**

Version: —	Release Date:	POC: David Blaser
Number Sold: —	Single User Price: (Contact Vendor)	Phone: 310-334-3437 Fax: 310-334-2348
Report Date: 3/08/93	Report Updated: 6/09/94	E-mail:
		Address:

**Description:** JOVIAL/ADA TRANSLATOR translates Jovial (J73) into Ada (Code and Data).

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:** JOVIAL

**Configurations:** UNIX

**Tool: Application Browser**

**Vendor: Hypersoft Corp.**

Version: 3.2	Release Date: 1/01/92	POC: Barbara Bersack
Number Sold: 45	Single User Price: \$4000-\$6250	Phone: 617-864-8860 Fax: 617-864-3711
Report Date: 1/04/93	Report Updated: 6/30/94	E-mail:
		Address: 675 Massachusetts Ave. Cambridge, MA 02139

Evaluation copy available      Site license available

**Description:** Application Browser automatically produces technical documentation from COBOL programs. It helps analyze and document applications.

**Classification:** Coding, Documentation, Reengineering, Cross Referencing Tool, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** COBOL

**Configurations:** IBM PC/compatible - MS DOS, VAX - VMS.

**Tool: Hypersoft Application Browser (HAB)**

**Vendor: Hypersoft Corp.**

Version: —	Release Date:	POC: Barbara Bersack
Number Sold: —	Single User Price: (Contact Vendor)	Phone: 617-864-8860 Fax: 617-864-3711
Report Date: 10/21/93	Report Updated: 7/27/94	E-mail:
		Address: 675 Massachusetts Ave. Cambridge, MA 02139

**Description:** HAB can transfer structure charts and source code from existing Cobol applications directly into DECdesign software analysis and design tools.

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:** COBOL

**Configurations:** DEC's, Alpha, AXP/VMS

*Software Technology Support Center (STSC)*

**Tool: Documentor**

Version: 5.3      Release Date: 6/01/94  
Number Sold:      Single User Price: \$995  
Report Date: 1/03/94      Report Updated: 10/31/94

**Vendor: i-Logix**

POC: Technical Support  
Phone: 508-682-2100 Fax: 508-682-5995  
E-mail:  
Address: 3 Riverside Drive  
Andover, MA 01810

**Description:** Documentor is part of the Statemate product family, is a documentation toolset that provides system developers with the capability to specify the format and content of documentation for the system under development.

**Classification:** Documentation, Reengineering, Redocumenter

**Features:**

**Languages Supported:** C

**Configurations:** VMS, UNIX

**Tool: ExpressC/Ada**

Version: 5.3      Release Date: 6/01/94  
Number Sold:      Single User Price: \$2,795  
Report Date: 1/03/94      Report Updated: 10/31/94

**Vendor: i-Logix**

POC: Technical Support  
Phone: 508-682-2100 Fax: 508-682-5995  
E-mail:  
Address: 3 Riverside Drive  
Andover, MA 01810

**Description:** ExpressC/Ada is part of the Statemate product family, are workstation-based System Design Automation (SDA) tools. It also support graphical capture, simulation and analysis, prototyping, and automatic C or Ada generation.

**Classification:** System Simulation, Requirements Trace, Design, Requirements Analysis, Testing, Reengineering, Code Generator, Code-Based Test Case Generator, Data Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** Ada

**Configurations:** VMS, UNIX

**Tool: STATEMATE**

Version: 5.0      Release Date: 6/30/93  
Number Sold: 1700+      Single User Price: (Contact Vendor)  
Report Date: 3/23/93      Report Updated: 7/06/94  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: i-Logix**

POC: Technical Support  
Phone: 617-864-8860 Fax: 617-864-3711  
E-mail:  
Address: 675 Massachusetts Ave.  
Cambridge, MA 02139

**Description:** Statemate is a workstation based, systems engineering tool which permits the graphic modeling and the design of complex, reactive systems. Systems engineers create formal, graphical models that can be verified and used to validate models.

**Classification:** System Simulation, Requirements Trace, Design, Coding, Requirements Analysis, Testing, Documentation, Redocumenter

**Features:**

**Languages Supported:** Ada, C

**Configurations:** VMS, Apollo, DEC/ULTRIX, HP/UNIX, IBM/RISC, Sun/Sun OS

*Appendix B: Product Sheets by Vendor Name*

**Tool:** Automated Source Code Conv. Sys. for Ada (ASCCSA) **Vendor:** ICF Information Technology, Inc.

Version: 1.0	Release Date: 11/01/90	POC: Tom Basile
Number Sold: -	Single User Price: (Contact Vendor)	Phone: 703-934-3401 Fax: 703-691-3353
Report Date: 2/04/93	Report Updated:	E-mail:
Training available		Address: 9300 Lee Hwy.
Evaluation copy available	Site license available	Fairfax, VA 22031-1207

**Description:** ASCCSA automatically re-engineers COBOL and PL1 to structured Ada source code. It extracts data and logic objects and performs source optimization on the objects in order to generate efficient structured Ada. This allows cost-effective migration to Ada.

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:** COBOL, PL/1

**Configurations:** MS-DOS v3.1+.

**Tool:** Re-Engine Documentor/Migrator

**Vendor:** ICF Information Technology, Inc.

Version: 1.0	Release Date: 11/01/91	POC: Tom Basile
Number Sold: -	Single User Price: (Contact Vendor)	Phone: 703-934-3401 Fax: 703-691-3353
Report Date: 1/26/93	Report Updated:	E-mail:
Training available		Address: 9300 Lee Hwy.
Evaluation copy available	Site license available	Fairfax, VA 22031-1207

**Description:** This tool provides the capability to automatically migrate COBOL and PL1 to Ada and the APS program painter and/or online express level. This allows the designer/developer to maintain the system at a high order language level. Generates Ada code.

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:** COBOL, PL/1

**Configurations:** MS-DOS v3.1+.

**Tool:** Re-Engineering Product Set

**Vendor:** ICF Information Technology, Inc.

Version: 3.1007	Release Date: 10/01/91	POC: Technical Support
Number Sold: -	Single User Price: (Contact Vendor)	Phone: 703-934-3401 Fax: 703-691-3353
Report Date: 11/21/91	Report Updated: 10/31/94	E-mail:
Training available	Newsletter Available	Address: 9300 Lee Hwy.
		Fairfax, VA 22031-1207

**Description:** This product is a collection of tools that assist application analysts, data analysts and database designers in data modeling, process modeling and building application logic, database design and re-engineering existing applications.

**Classification:** Design, Reengineering, Reuse, Database, Software Engineering Environment, Reverse Engineering

**Features:**

**Languages Supported:** Ada, C, COBOL, Pascal

**Configurations:** DB2.

*Software Technology Support Center (STSC)*

**Tool:** Reeng. Doc./Migrator - Source to CASE (RDMSCC) **Vendor:** ICF Information Technology, Inc.

Version: -	Release Date:	POC: Tom Basile
Number Sold: -	Single User Price: (Contact Vendor)	Phone: 703-934-3401 Fax: 703-691-3353
Report Date: 2/04/93	Report Updated:	E-mail:
		Address: 9300 Lee Hwy.
		Fairfax, VA 22031-1207

**Description:** RDMSCC allows the user the capability to migrate COBOL and PL1 to the excelerator and/or IEW design level.

**Classification:** Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** COBOL, PL/1

**Configurations:** PC/MS-DOS

**Tool:** AdaFlow

**Vendor:** Iconix Software Engineering, Inc.

Version: 2.3	Release Date: 3/01/94	POC: Technical Support
Number Sold: 150	Single User Price: \$1,495	Phone: 310-458-0092 Fax: 310-396-3454
Report Date: 1/04/93	Report Updated: 10/17/94	E-mail:
		Address: 2800 Twenty-Eighth St., Ste. 320
		Santa Monica, CA 90405

Evaluation copy available

**Description:** AdaFlow supports object-oriented design and Ada development using Buhr diagrams, an integrated dictionary, and a language sensitive editor.

**Classification:** Design, Requirements Analysis, Documentation, Reengineering, Forward Engineering

**Features:**

**Languages Supported:** Ada, PDL

**Configurations:** UNIX, Mac/Mac OS, PC/MS-DOS, Sun/Sun OS

**Tool:** DataModeler

**Vendor:** Iconix Software Engineering, Inc.

Version: 1.1	Release Date:	POC: Neil E. McCoy
Number Sold: -	Single User Price: \$1,495	Phone: 703-934-3401 Fax: 703-691-3353
Report Date: 1/05/93	Report Updated: 10/27/94	E-mail:
		Address: 9300 Lee Hwy.
		Fairfax, VA 22031-1207

Evaluation copy available

**Description:** DataModeler's features include an entity-relationship attribute diagram editor, a dictionary, and a language-sensitive editor.

**Classification:** Design, Requirements Analysis, Documentation, X Case Tools, Language Sensitive Editor, Reverse Engineering

**Features:**

**Languages Supported:** COBOL, SQL

**Configurations:** Mac



*Appendix B: Product Sheets by Vendor Name*

**Tool: FreeFlow**

Version: 4.02      Release Date:  
Number Sold: —      Single User Price: \$1,495  
Report Date: 1/07/93      Report Updated: 10/27/94

Evaluation copy available

**Description:** FreeFlow supports SA with data and control flow diagrams, data dictionary, minispecs, consistency checking.

**Classification:** Requirements Trace, Design, Requirements Analysis, Documentation, Quality Assurance, Reengineering, Forward Engineering, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** PDL

**Configurations:** IBM, Mac, Sun

**Vendor: Iconix Software Engineering, Inc.**

POC: Neil E. McCoy  
Phone: 703-934-3401 Fax: 703-691-3353  
E-mail:  
Address: 9300 Lee Hwy.  
Fairfax, VA 22031-1207

**Tool: PowerPDL**

Version: 2.12      Release Date: 1/01/94  
Number Sold: —      Single User Price: \$1,495  
Report Date: 1/26/93      Report Updated: 10/27/94

Evaluation copy available

**Description:** PowerPDL includes a utility called Strip that extracts PDL from Pascal, Ada, C, or FORTRAN.

**Classification:** Design, Documentation, Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** Ada, C, FORTRAN, Pascal, PDL

**Configurations:** UNIX, Mac/Mac OS, PC/MS-DOS, Sun/Sun OS

**Vendor: Iconix Software Engineering, Inc.**

POC: Neil E. McCoy  
Phone: 703-934-3401 Fax: 703-691-3353  
E-mail:  
Address: 9300 Lee Hwy.  
Fairfax, VA 22031-1207

**Tool: PowerTools**

Version: —      Release Date:  
Number Sold: —      Single User Price: (Contact Vendor)  
Report Date: 8/26/91      Report Updated:

**Vendor: Iconix Software Engineering, Inc.**

POC: Neil E. McCoy  
Phone: 703-934-3401 Fax: 703-691-3353  
E-mail:  
Address: 9300 Lee Hwy.  
Fairfax, VA 22031-1207

**Description:** PowerTools consists of seven programs: FreeFlow, FastTask, AdaFlow, ASCII Bridge, SmartChart, PowerPDL, CoCoPro.

**Classification:** Forward Engineering

**Features:**

**Languages Supported:** Ada, C, FORTRAN, Pascal, PDL

**Configurations:** UNIX, Mac/Mac OS, PC/MS-DOS, Sun/Sun OS

*Software Technology Support Center (STSC)*

**Tool: SmartChart**

Version: 2.06      Release Date: 1/01/94  
Number Sold: -      Single User Price: \$1,495  
Report Date: 1/26/93      Report Updated: 10/27/94

Evaluation copy available

**Vendor: Iconix Software Engineering, Inc.**

POC: Neil E. McCoy  
Phone: 703-934-3401 Fax: 703-691-3353  
E-mail:  
Address: 9300 Lee Hwy.  
Fairfax, VA 22031-1207

**Description:** SmartChart is used during design as a structure chart generator and language-sensitive editors for a variety of design and programming languages.

**Classification:** Design, Documentation, Reengineering, Software Engineering Environment, X Case Tools, Forward Engineering, Language Sensitive Editor, Reverse Engineering

**Features:**

**Languages Supported:** Ada, C, COBOL, FORTRAN, JOVIAL, LISP, Modula-2, Pascal

**Configurations:** Mac

**Tool: IE: Advantage**

Version: 6.0      Release Date: 3/15/93  
Number Sold: 500      Single User Price: \$8750 GSA  
Report Date: 6/29/93      Report Updated: 10/20/94  
Training available  
Evaluation copy available      Site license available

**Vendor: Information Engineering Systems Corp.**

POC: Technical Support  
Phone: 703-739-2242 Fax: 703-739-0074  
E-mail:  
Address: 201 North Union St., 5th Fl.  
Alexandria, VA 22314

**Description:** IE: Advantage is a universal computer aided systems engineering (CASE) tool for Forward and Reverse engineering. Planning data modeling, process modeling, design and code generation capabilities.

**Classification:** Requirements Trace, Design, Coding, Requirements Analysis, Documentation, Project Management, Configuration Management, Quality Assurance, Reengineering, Reuse, Software Engineering Environment, Data Reengineering, Expert System Shell, Forward Engineering, Rule-Based Shell

**Features:**

**Languages Supported:** DB2, JCL, ORACLE, Sybase

**Configurations:** Windows, PC/MS-DOS

**Tool: Autocode**

Version: -      Release Date: 1/01/89  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 1/04/93      Report Updated: 6/09/94

**Vendor: Integrated Systems, Inc.**

POC: Mia Giannotti  
Phone: 703-934-3401 Fax: 703-691-3353  
E-mail:  
Address: 9300 Lee Hwy.  
Fairfax, VA 22031-1207

**Description:** Autocode generates optimized ROMable C, Ada or FORTRAN code directly from the graphical design model. It is not a frame generator.

**Classification:** Design, Coding, Reengineering, Code Generator, Forward Engineering, Simulator

**Features:**

**Languages Supported:** Ada, C, FORTRAN

**Configurations:** Apollo/UNIX, Sun/Sun OS, VAX/VMS

*Appendix B: Product Sheets by Vendor Name*

**Tool: CaseConnection/ADW**

Version: 4.0      Release Date: 5/01/92  
Number Sold: 5      Single User Price: \$25,950  
Report Date: 3/03/93      Report Updated: 6/30/94  
Training available

Site license available

**Vendor: IntelliCorp**

POC: Rhiannon Williams  
Phone: 415-965-5700 Fax: 415-965-5647  
E-mail:  
Address: 1975 El Camino Real W.  
Mountain View, CA 94040-2216

**Description:** This tool will Reuse ADW design in ProKappa. Downloaded encyclopedia creates executable object-oriented code.

**Classification:** Design, Coding, Reengineering, Reuse, Software Engineering Environment, Data Extractor, Data Reengineering, Reusable Components Identifier

**Features:**

**Languages Supported:** C

**Configurations:** HP, IBM, Sun

**Tool: Object Management Workbench (OMW)**

Version: 1.0      Release Date: 1/01/94  
Number Sold: 120      Single User Price: \$10,995  
Report Date: 12/02/91      Report Updated: 10/26/94

Evaluation copy available

Site license available

**Vendor: IntelliCorp**

POC: Technical Support  
Phone: 415-965-5700 Fax: 415-965-5647  
E-mail:  
Address: 1975 El Camino Real W.  
Mountain View, CA 94040-2216

**Description:** OMW is based on Martin?odell Object-oriented Information Engineering methodology. Contains live and executable diagrams and models at every stage of development process, providing feedback to analysts and developers. Allow users to focus on business modeling rather than system modeling. Supports Kappa application development tools.

**Classification:** Design, Reengineering, Business Process Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** C

**Configurations:** HP/HP-UX, Sun/Sun OS

**Tool: Applications Manager (AM)**

Version:      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 1/31/95      Report Updated: 1/31/95

**Vendor: intelligent ENVIROMENTS**

POC: Technical Support  
Phone: 508-640-1080 Fax: 508-640-1090  
E-mail:  
Address: 2 Highwood Drive  
Tewksbury, MA 01876

**Description:** AM automates business processes into modern, graphical client/server applications. AM brings business workflow procedures on-line quickly. It builds on-line forms and connects them directly to multiple databases. It links together different computers running different systems, and enhances them to better manage your business transactions.

**Classification:** Reengineering, Database, Business Process Reengineering, Forward Engineering, Linker

**Features:**

**Languages Supported:** C, Smalltalk

**Configurations:** OS/2, SQL, IMS/DC, PC/DB2

*Software Technology Support Center (STSC)*

**Tool: Ada Development Environment**

Version: 1.2 Release Date: 1/01/90  
Number Sold: 10,000 Single User Price: (Contact Vendor)  
Report Date: 1/04/93 Report Updated: 3/29/94  
Training available Newsletter Available  
Evaluation copy available Site license available

**Vendor: Interactive Development Environments**

POC: Andy Simmons  
Phone: 800-888-4331 Fax: 415-543-0145  
E-mail:  
Address: 595 Market St. 10th Fl.  
San Francisco, CA 94105

**Description:** The Ada Development Environment includes Ada code generation, reverse engineering of existing Ada code, and links to Ada programming environments and technical publishing tools.

**Classification:** Requirements Trace, Design, Coding, Requirements Analysis, Testing, Documentation, Configuration Management, Reengineering, Reuse, Software Engineering Environment, Debugger, Forward Engineering, Redocumenter, Reusable Components Identifier, Reverse Engineering

**Features:**

**Languages Supported:** Ada

**Configurations:** SA-RT, OOSD/ADA Code Gen.

**Tool: C Development Environments**

Version: 1.1 Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 1/04/93 Report Updated: 3/29/94

**Vendor: Interactive Development Environments**

POC: Andy Simmons  
Phone: 800-888-4331 Fax: 415-543-0145  
E-mail:  
Address: 595 Market St. 10th Fl.  
San Francisco, CA 94105

**Description:** CDE is an integrated environment with development, documentation, analysis and design tools. It consists of the Saber-C reverse engineering tool working in conjunction with the Software Through Pictures CASE tool.

**Classification:** Design, Documentation, Reengineering, Forward Engineering, Redocumenter, Reverse Engineering

**Features:**

**Languages Supported:** C

**Configurations:** Apollo/Domain, DEC/ULTRIX, HP/HP-UX, Sun/Sun OS, VAX/VMS

**Tool: C++ Development Environment**

Version: Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 8/01/93 Report Updated: 3/29/94

**Vendor: Interactive Development Environments**

POC: Andy Simmons  
Phone: 800-888-4331 Fax: 415-543-0145  
E-mail:  
Address: 595 Market St. 10th Fl.  
San Francisco, CA 94105

**Description:** The C++ Development environment includes OOSD/C++, Code Generator for C++, and other programs and tools to support the implementation, documentation, reverse engineering, and maintenance of C++ programs.

**Classification:** Design, Coding, Documentation, Reengineering, Code Generator, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** C++

**Configurations:** HP, RISC 6000, Sun/SPARC

*Appendix B: Product Sheets by Vendor Name*

**Tool: Object-Oriented Structured Design/C++**

Version: 1.0      Release Date: 9/01/92  
Number Sold: 10,000      Single User Price: \$10,000  
Report Date: 12/23/92      Report Updated: 3/29/94  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Interactive Development Environments**

POC: Andy Simmons  
Phone: 800-888-4331 Fax: 415-543-0145  
E-mail:  
Address: 595 Market St. 10th Fl.  
San Francisco, CA 94105

**Description:** The Object-Oriented Structured Design/C++ tool is a UNIX-based, integrated, multi-user CASE environment that supports architectural design, detailed design, implementation, and documentation of C++ applications. OOSD generates 2167A documentation.

**Classification:** Requirements Trace, Design, Coding, Requirements Analysis, Documentation, Reengineering, Reuse, Software Engineering Environment, Forward Engineering, Redocumenter, Reusable Components Identifier, Reverse Engineering

**Features:**

**Languages Supported:** C++

**Configurations:** DEC, DECstation, HP, IBM, Sun/SPARC

**Tool: Software through Pictures (StP)**

Version: -      Release Date: 1/01/93  
Number Sold: -      Single User Price: \$4,000+  
Report Date: 3/19/93      Report Updated: 6/14/94

**Vendor: Interactive Development Environments**

POC: Andy Simmons  
Phone: 800-888-4331 Fax: 415-543-0145  
E-mail:  
Address: 595 Market St. 10th Fl.  
San Francisco, CA 94105

**Description:** OO application development tool. Features object, dynamic and functional model graphical/textual creation/editing, commercial database repository, integrated model checking and navigation, intramodel checking, C++ code generation capabilities and export capabilities to Interleaf, FrameMaker and Postscript.

**Classification:** Design, Requirements Analysis, Reengineering, Software Engineering Environment, Code Generator, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** Ada, C++

**Configurations:** Apollo, DEC/ULTRIX, DEC/VMS, HP, Sun/Sun OS

**Tool: Stp/OMT**

Version: -      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 8/01/93      Report Updated: 3/29/94

**Vendor: Interactive Development Environments**

POC: Rich Guth  
Phone: 800-888-4331 Fax: 415-543-0145  
E-mail:  
Address: 595 Market St. 10th Fl.  
San Francisco, CA 94105

**Description:** Object-oriented CASE tool.

**Classification:** Reengineering, Forward Engineering, Redocumenter

**Features:**

**Languages Supported:** C++

**Configurations:** UNIX

*Software Technology Support Center (STSC)*

**Tool: EiffelCase**

Version: -- Release Date:  
Number Sold: -- Single User Price: (Contact Vendor)  
Report Date: 1/07/93 Report Updated: 6/09/94

**Vendor: Interactive Software Engineering, Inc.**

POC: Technical Support  
Phone: 805-685-1006 Fax: 805-685-6869  
E-mail:  
Address: 270 Storke Road  
Goleta, CA 93117

**Description:** EiffelCase is an OO analysis and design environment covering the full life cycle of software modeling, architectural design and user-developer communication.

**Classification:** Design, Documentation, Reengineering, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** --

**Configurations:**

**Tool: Interleaf 6**

Version: 6.0.3 Release Date: 6/01/94  
Number Sold: 250,000+ Single User Price: \$2,500  
Report Date: 1/07/93 Report Updated: 10/20/94

**Vendor: Interleaf, Inc.**

POC: Technical Support  
Phone: 617-290-0710 Fax: 617-290-4981  
E-mail:  
Address: 9 Hillside Ave., Prospect Dr.  
Waltham, MA 02154

**Description:** Interleaf 5 combines all the tools needed for the documentation process to simplify the production of compound documentation. It has open architecture which aids in providing tighter levels of tool integration between Interleaf 5 and Teamwork.

**Classification:** Data Reengineering

**Features:**

**Languages Supported:** --

**Configurations:** DECstation, HP/Domain, RISC 6000, Sun, VAX

**Tool: Source Code Analyzer (SCA)**

Version: 3.1 Release Date: 2/01/93  
Number Sold: 3 Single User Price: \$5,000-\$15,000  
Report Date: 12/27/93 Report Updated: 5/16/94  
Training available  
Evaluation copy available Site license available

**Vendor: Interlex**

POC: Bob Snyder  
Phone: 310-472-7001 Fax: --  
E-mail:  
Address: 446 N. Bowling Green Way  
Los Angeles, CA 90049

**Description:** SCA is an interactive tool for the examination and analysis of source code. It provides fast, direct access to the source code corresponding to specified occurrences of program symbols. Set-used lists, invocation trees, call paths, and other summaries.

**Classification:** Design, Coding, Reengineering, Cross Referencing Tool, Reverse Engineering

**Features:** Code Browser

**Languages Supported:** CMS-2, JOVIAL

**Configurations:** PC/MS-DOS, PC/UNIX, Sun/Sun OS, VAX/ULTRIX, VAX/VMS

*Appendix B: Product Sheets by Vendor Name*

**Tool: AdaMagic**

Version: — Release Date:  
Number Sold: — Single User Price: (Contact Vendor)  
Report Date: 10/28/93 Report Updated: 6/09/94

**Vendor: Intermetrics, Inc.**

POC: Technical Support  
Phone: 800-356-3594 Fax: 617-868-2843  
E-mail:  
Address: 733 Concord Ave.  
Cambridge, MA 02138

**Description:** AdaMagic is an object oriented development. Translate from Ada 83 to Ada 9X.

**Classification:** Coding, Reengineering, Compiler, Optimizer, Reverse Engineering, Source Code Translator

**Features:**

**Languages Supported:** Ada

**Configurations:** VAX/MVS

**Tool: Panorama C++**

Version: 2.0 Release Date: 1/01/93  
Number Sold: — Single User Price: \$8,000  
Report Date: 8/23/93 Report Updated: 7/05/94

**Vendor: International Software Automation, Inc.**

POC: Kevin ZHU  
Phone: 510-494-8888 Fax: 510-494-1888  
E-mail: isa@netcom.com  
Address: 39350 Civic Center Dr., #250  
Fremont, CA 94538

Evaluation copy available Site license available

**Description:** Panorama C++ is a fully integrated software design, coding, algorithm and logic debugging, testing, quality assurance, maintenance, and reengineering workbench. It consists of five tools: OO-Test, OO-SQA, OO-Browser, OO-Diagrammer and OO-Analyzer.

**Classification:** Design, Coding, Testing, Documentation, Project Management, Quality Assurance, Metrics, Reengineering, Reuse, Database, Software Engineering Environment, Complexity Measurer, Coverage/Frequency Analyzer, Cross Referencing Tool, Data Reengineering, Debugger, Forward Engineering, Performance/Timing Analyzer, Redocumenter, Reverse Engineering, Size Measurer, Structure Checker, Syntax & Semantics Analyzer

**Features:** SLOC Actuals

**Languages Supported:** C++

**Configurations:** HP, IBM, Sun/Sun OS

**Tool: Panorama C++/OO-Analyzer**

Version: 2.0 Release Date:  
Number Sold: — Single User Price: (Contact Vendor)  
Report Date: 12/27/93 Report Updated: 7/05/94

**Vendor: International Software Automation, Inc.**

POC: Kevin ZHU  
Phone: 510-494-8888 Fax: 510-494-1888  
E-mail: isa@netcom.com  
Address: 39350 Civic Center Dr., #250  
Fremont, CA 94538

Evaluation copy available Site license available

**Description:** Panorama C++/OO-Analyzer is a stand-alone software analysis toolkit. It has also been integrated into the Panorama C++ software engineering environment. It generates more than 100 reengineering reports based on static analysis.

**Classification:** Coding, Documentation, Quality Assurance, Metrics, Reengineering, Software Engineering Environment, Auditor, Complexity Measurer, Cross Referencing Tool, Language Sensitive Editor, Redocumenter, Reverse Engineering, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** C++

**Configurations:** Sun/Sun OS

*Software Technology Support Center (STSC)*

**Tool: Panorama C++/OO-Browser**

Version: 2.0      Release Date:  
Number Sold: —      Single User Price: (Contact Vendor)  
Report Date: 12/27/93      Report Updated: 7/05/94

Evaluation copy available      Site license available

**Vendor: International Software Automation, Inc.**

POC: Kevin ZHU  
Phone: 510-494-8888 Fax: 510-494-1888  
E-mail: isa@netcom.com  
Address: 39350 Civic Center Dr., #250  
Fremont, CA 94538

**Description:** Panorama C++/OO-Browser is a stand-alone toolkit. It has also been integrated into Panorama C++ software engineering environment.

**Classification:** Design, Coding, Documentation, Project Management, Reengineering, Reuse, Complexity Measurer, Cross Referencing Tool, Forward Engineering, Redocumenter, Restructurer, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** C++

**Configurations:** Sun/Sun OS

**Tool: Panorama C++/OO-Diagrammer**

Version: 2.0      Release Date:  
Number Sold: —      Single User Price: (Contact Vendor)  
Report Date: 12/27/93      Report Updated: 7/05/94

Evaluation copy available      Site license available

**Vendor: International Software Automation, Inc.**

POC: Kevin ZHU  
Phone: 510-494-8888 Fax: 510-494-1888  
E-mail: isa@netcom.com  
Address: 39350 Civic Center Dr., #250  
Fremont, CA 94538

**Description:** Panorama C++/OO-Diagrammer is a stand-alone program understanding and inspection toolkit. It has also been integrated into Panorama C++ software engineering environment.

**Classification:** Coding, Testing, Reengineering, Complexity Measurer, Redocumenter, Reverse Engineering, Status Displayer, Structure Checker

**Features:** Class structure diagramming

**Languages Supported:** C++

**Configurations:** Sun/Sun OS

**Tool: Panorama C++/OO-SQA**

Version: 2.0      Release Date:  
Number Sold: —      Single User Price: (Contact Vendor)  
Report Date: 12/27/93      Report Updated: 7/05/94

Evaluation copy available      Site license available

**Vendor: International Software Automation, Inc.**

POC: Kevin ZHU  
Phone: 510-494-8888 Fax: 510-494-1888  
E-mail: isa@netcom.com  
Address: 39350 Civic Center Dr., #250  
Fremont, CA 94538

**Description:** Panorama C++/OO-SQA is a stand-alone object-oriented software quality assurance toolkit. It has also been integrated into Panorama C++ software engineering environment.

**Classification:** Coding, Quality Assurance, Reengineering, Auditor, Complexity Measurer, Maintainability Analyzer, Reformatter, Reverse Engineering

**Features:**

**Languages Supported:** C++

**Configurations:** Sun/Sun OS



*Appendix B: Product Sheets by Vendor Name*

**Tool: QualityFirst C**

Version: 1.2      Release Date:  
Number Sold:      Single User Price: (Contact Vendor)  
Report Date: 12/27/93      Report Updated: 7/06/94

Evaluation copy available      Site license available

**Vendor: International Software Automation, Inc.**

POC: Kevin ZHU  
Phone: 510-494-8888 Fax: 510-494-1888  
E-mail: isa@netcom.com  
Address: 39350 Civic Center Dr., #250  
Fremont, CA 94538

**Description:** QualityFirst C is a software testing, quality assurance, and reengineering toolkit. It provides static and dynamic analysis including system structure, control logic, complexity, and test coverage analysis.

**Classification:** Coding, Testing, Documentation, Metrics, Reengineering, Complexity Measurer, Coverage/Frequency Analyzer, Cross Referencing Tool, Redocumenter, Reverse Engineering, Structure Checker, Test Instrumenter

**Features:**

**Languages Supported:** C

**Configurations:** PC/MS-DOS

**Tool: InterCASE KnowledgeWare Gateway (IKG)**

Version: 1.5      Release Date: 1/01/91  
Number Sold: 35+      Single User Price: (Contact Vendor)  
Report Date: 1/07/93      Report Updated: 6/09/94  
Training available

Site license available

**Vendor: InterPort Software Corp.**

POC: Steve Fitzgerald  
Phone: 703-385-1515 Fax: 703-385-7429  
E-mail:  
Address: 5904 Wood Sorrel CT  
Burke, VA 22015-2718

**Description:** The InterCASE Knowledgeware Gateway reverse engineers applications into Knowledgeware's Design Workstation Encyclopedia. It provides a baseline for redevelopment and accurate and complete system documentation.

**Classification:** Coding, Documentation, Configuration Management, Reengineering, Cross Referencing Tool, Retargeting, Reverse Engineering, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** CICS, COBOL, IMS

**Configurations:** PC/MS-DOS, PC/OS/2

**Tool: InterCycle**

Version: 1.2      Release Date: 9/01/91  
Number Sold: 250+      Single User Price: \$5900  
Report Date: 1/07/93      Report Updated: 6/09/94  
Training available

Site license available

**Vendor: InterPort Software Corp.**

POC: Steve Fitzgerald  
Phone: 703-385-1515 Fax: 703-385-7429  
E-mail:  
Address: 5904 Wood Sorrel CT  
Burke, VA 22015-2718

**Description:** InterCycle is a workstation/LAN-oriented software maintenance environment that automatically reverse engineers entire COBOL mainframe systems into a repository to provide, among other things, detailed impact analysis and system cross referencing.

**Classification:** Reengineering, Data Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** CICS, COBOL, DB2, IMS, JCL, VSAM

**Configurations:** PC/OS/2

*Software Technology Support Center (STSC)*

**Tool: Migration Workbench**

Version: – Release Date:  
Number Sold: – Single User Price: (Contact Vendor)  
Report Date: 1/04/93 Report Updated:

**Vendor: InterPort Software Corp.**

POC: Technical Support  
Phone: 703-385-1515 Fax: 703-385-7429  
E-mail:  
Address: 5904 Wood Sorrel CT  
Burke, VA 22015-2718

**Description:** Migration Workbench is a reengineering tool.

**Classification:** Reengineering, Forward Engineering

**Features:**

**Languages Supported:** COBOL

**Configurations:** PC/OS/2

**Tool: Design Recovery Series**

Version: 1.01 Release Date: 5/01/92  
Number Sold: 350 Single User Price: \$1,500  
Report Date: 1/27/93 Report Updated: 10/20/94  
Training available

**Vendor: Intersolv**

POC: Brian Kelly  
Phone: 703-385-1515 Fax: 703-385-7429  
E-mail:  
Address: 5904 Wood Sorrel CT  
Burke, VA 22015-2718

Site license available

**Description:** Design Recovery Series is designed for re-development of existing systems and for the integration into new development efforts. Facilitates conversion of VSAM, IMS databased to DB2.

**Classification:** Design, Documentation, Reengineering, Capture-Replay Tool, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** COBOL

**Configurations:** MS-DOS, MVS, Windows, PC/OS/2

**Tool: Excelerator for Design Recovery**

Version: – Release Date:  
Number Sold: – Single User Price: (Contact Vendor)  
Report Date: 1/27/93 Report Updated: 7/01/94

**Vendor: Intersolv**

POC: Tech. Support (InTeCo)  
Phone: 800-777-8858 Fax: 617-557-8945  
E-mail:  
Address: One Main St.  
Cambridge, MA 02142

**Description:** Excelerator for Design Recovery reads existing applications, extracts design information, and imports the designs into the powerful Excelerator environment. It automatically generates diagrams as well as data definitions.

**Classification:** Coding, Metrics, Reengineering, Complexity Measurer, Forward Engineering, Redocumenter, Reverse Engineering, Size Measurer, Structure Checker, Syntax & Semantics Analyzer

**Features:** SLOC Actuals

**Languages Supported:** COBOL

**Configurations:** PC/MS-DOS

*Appendix B: Product Sheets by Vendor Name*

**Tool: Maintenance Workbench**

Version: 1.2      Release Date: 6/01/94  
Number Sold: 1400      Single User Price: \$3,000  
Report Date: 12/13/93      Report Updated: 10/20/94  
Training available      Newsletter Available  
Site license available

**Vendor: Intersolv**

POC: Brian Kelly  
Phone: 800-777-8858 Fax: 617-557-8945  
E-mail:  
Address: One Main St.  
Cambridge, MA 02142

**Description:** A lan-based, PC maintenance environment to off-load MVS cobol maintenance tasks. Offers APPLICATION-WIDE impact analysis and documentation capabilities.

**Classification:** Documentation, Reengineering, Redocumenter

**Features:** Application-wide impact analysis

**Languages Supported:** COBOL

**Configurations:** MVS, OS/2, Windows

**Tool: COBOL Structuring Facility (COBOL/SF)**

Version: 2.1.1      Release Date: 3/01/84  
Number Sold: 250+      Single User Price: (Contact Vendor)  
Report Date: 1/04/93      Report Updated:

**Vendor: Intl. Business Machines Corp.**

POC: Brad Timothy  
Phone: 801-328-6763 Fax: 801-328-6692  
E-mail:  
Address: 420 E. So. Temple  
Salt Lake City, UT 84111-1391

Evaluation copy available

**Description:** By applying artificial intelligence techniques, COBOL/SF helps streamline your maintenance efforts by enabling you to rewrite your programs in structured form. This extends the life of COBOL programs and helps make them easier to read, debug, maintain.

**Classification:** Coding, Documentation, Quality Assurance, Reengineering, Reuse, Software Engineering Environment, Restructurer

**Features:**

**Languages Supported:** COBOL

**Configurations:** IBM/MVS, IBM/VM

**Tool: EAGLESCAN**

Version: -      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 5/10/93      Report Updated:

**Vendor: Intl. Business Machines Corp.**

POC: Brad Timothy  
Phone: 801-328-6763 Fax: 801-328-6692  
E-mail:  
Address: 420 E. So. Temple  
Salt Lake City, UT 84111-1391

**Description:** EAGLESCAN is an IBM service to analyze Assembler application programs.

**Classification:** Documentation, Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** Assembler

**Configurations:** IBM/MVS, IBM/VM

*Software Technology Support Center (STSC)*

**Tool: Flowmark**

Version:                      Release Date: 1/01/94  
Number Sold:    -              Single User Price: \$200+  
Report Date: 12/23/92      Report Updated: 10/26/94  
   Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Intl. Business Machines Corp.**

POC: Technical Support  
Phone: 801-328-6763 Fax: 801-328-6692  
E-mail:  
Address: 420 E. So. Temple  
Salt Lake City, UT 84111-1391

**Description:** Flowmark allows user to design, refine, document and control business processes. Assists user in daily operations, planning and management and design of applications tailored to business. Enables user to define and document, test, run and update business processes.

**Classification:** Reengineering, Business Process Reengineering

**Features:**

**Languages Supported:** C++

**Configurations:** OS/2, IBM/AIX

**Tool: MPS/400**

Version:    -                      Release Date:  
Number Sold:    -              Single User Price: (Contact Vendor)  
Report Date: 3/15/93      Report Updated:

**Vendor: Intl. Business Machines Corp.**

POC: Brad Timothy  
Phone: 801-328-6763 Fax: 801-328-6692  
E-mail:  
Address: 420 E. So. Temple  
Salt Lake City, UT 84111-1391

**Description:** MPS/400 is a migration tool. It aids programmers in converting System/36 RPG applications to AS/400 native programs. It has a guided approach throughout the process to make learning less complex, and is modular.

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:** --

**Configurations:**

**Tool: F-SCAN**

Version: 1.1                      Release Date: 6/01/87  
Number Sold: 15+              Single User Price: \$4,950  
Report Date: 1/26/93      Report Updated:  
Training available              Newsletter Available  
Evaluation copy available

**Vendor: Intl. Logic Corp.**

POC: Technical Support  
Phone: 415-989-7223 Fax: 415-989-0252  
E-mail:  
Address: 100 Pine St., Ste. 2760  
San Francisco, CA 94111

**Description:** F-SCAN is a static analyzer of FORTRAN source programs that provides call trees, cross referencers, and analysis of code interfaces.

**Classification:** Coding, Requirements Analysis, Documentation, Configuration Management, Quality Assurance, Reengineering, Cross Referencing Tool, Redocumenter, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** FORTRAN, PL/1

**Configurations:** DEC, DG, IBM, Prime

*Appendix B: Product Sheets by Vendor Name*

**Tool: Military Standard Document Conversion (MSDC)**

**Vendor: Intl. Software Systems, Inc.**

Version: – Release Date:  
Number Sold: – Single User Price: (Contact Vendor)  
Report Date: 10/20/93 Report Updated: 10/20/93

POC: James B. Nelson  
Phone: 512-338-5700 Fax: 512-338-5757  
E-mail: nelson@issi.com  
Address: 9430 Research Blvd. Echelon IV, Ste. 250  
Austin, TX 78759

**Description:** MSDC is an integrated software tools which support the conversion and insertion of existing Post Deployment System Support (PDSS) documentation into software development and support environments.

**Classification:** Reengineering, Redocumenter

**Features:**

**Languages Supported:** –

**Configurations:**

**Tool: PROSLCSE**

**Vendor: Intl. Software Systems, Inc.**

Version: – Release Date:  
Number Sold: – Single User Price: (Contact Vendor)  
Report Date: 8/13/92 Report Updated: 1/05/95

POC: Technical Support  
Phone: 512-338-5700 Fax: 512-338-5757  
E-mail:  
Address: 9430 Research Blvd. Echelon IV, Ste. 250  
Austin, TX 78759

**Description:** PROSLCSE is an integrated suite of tools and services to facilitate business process reengineering.

**Classification:** Reengineering, Business Process Reengineering

**Features:**

**Languages Supported:**

**Configurations:** PC/Windows

**Tool: OBJECT IE**

**Vendor: IPSYS Software**

Version: Release Date:  
Number Sold: – Single User Price: (Contact Vendor)  
Report Date: 1/30/95 Report Updated: 1/30/95

POC: Technical Support  
Phone: 800-638-2273 Fax: 415-296-2547  
E-mail:  
Address: 388 Market Street, Suite 400  
San Francisco, CA 94111

**Description:** OBJECT IE builds large-scale mission-critical client/server systems. It promotes integrated engineering for systems development, from the highest level of business analysis and requirements capture, down to the details of systems implementation.

**Classification:** Design, Requirements Analysis, Reengineering, Code Generator, Library, Redocumenter, Reverse Engineering, Screen Painter

**Features:**

**Languages Supported:** C, C++

**Configurations:**

*Software Technology Support Center (STSC)*

**Tool: COBOL-lint**

Version: 1.21      Release Date:  
Number Sold: 10+      Single User Price: \$3,900  
Report Date: 9/13/94      Report Updated: 9/13/94

Evaluation copy available      Site license available

**Vendor: IPT Corp.**

POC: Technical Support  
Phone: 800-944-5468 Fax: 415-494-2758  
E-mail:  
Address: 1076 E. Meadow Circle  
Palo Alto, CA 94303

**Description:** COBOL-lint analyzes and documents COBOL source programs at all stages of development. It is more comprehensive than standard compilers. It analyzes source files both individually and as a group. Produces a program and procedure call tree and symbol table.

**Classification:** Coding, Testing, Documentation, Quality Assurance, Reengineering, Software Engineering Environment, Cross Referencing Tool, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** COBOL

**Configurations:** RISC 6000, Sun/Sun OS, VAX/VMS

**Tool: FORTRAN-lint**

Version: 3.01      Release Date: 7/01/94  
Number Sold: -      Single User Price: \$3,900  
Report Date: 9/13/94      Report Updated: 9/13/94

Evaluation copy available      Site license available

**Vendor: IPT Corp.**

POC: Technical Support  
Phone: 800-944-5468 Fax: 415-494-2758  
E-mail:  
Address: 1076 E. Meadow Circle  
Palo Alto, CA 94303

**Description:** FORTRAN-lint is a static analyzer that detects coding problems similar to what lint utilities do for C programs. The tool does parameter checking and type checking of variables. Other checks include the use of variables before declaration and non-use.

**Classification:** Coding, Documentation, Quality Assurance, Reengineering, Software Engineering Environment, Cross Referencing Tool, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** AIX, HP-UX, OSF/1, Solaris2.1, ULTRIX, Sun/Sun OS, VAX/VMS

**Tool: SNIFF+**

Version: 2.0      Release Date:  
Number Sold:      Single User Price: \$2,990  
Report Date: 9/13/94      Report Updated: 9/21/94

Evaluation copy available      Site license available

**Vendor: IPT Corp.**

POC: Technical Support  
Phone: 800-944-5468 Fax: 415-494-2758  
E-mail:  
Address: 1076 E. Meadow Circle  
Palo Alto, CA 94303

**Description:** SNIFF+ is a GUI based open development environment.

**Classification:** Coding, Testing, Project Management, Configuration Management, Quality Assurance, Reengineering, Cross Referencing Tool, Data Extractor, Forward Engineering, Reverse Engineering

**Features:** GUI-based Testing

**Languages Supported:** C, C++

**Configurations:** AIX, HP-UX, Solaris2.1, Sun OS, ULTRIX

*Appendix B: Product Sheets by Vendor Name*

**Tool: Computer Tester Analyzer Controller (C-TAC)**

**Vendor: ITCN**

Version: 4.2	Release Date: 3/01/93	POC: John Kroeker
Number Sold: 5+	Single User Price: (Contact Vendor)	Phone: 800-439-2648 Fax: 513-439-9173
Report Date: 1/04/93	Report Updated: 6/30/94	E-mail:
Training available		Address: 8571 Gander Creek Dr. Maimisburg, OH 45342

**Description:** C-TAC provides a unique perspective for real-time nonintrusive (RTNI) monitoring of embedded code in its target run time environment. RTNI monitoring capability compliments the intrusive console debug functions currently available by most compiler vendor.

**Classification:** Coding, Testing, Quality Assurance, Reengineering, Coverage/Frequency Analyzer, Data Reducer & Analyzer, Debugger, Disassembler, Downloader, Network Analyzer, Reliability Analyzer, Retargeting, Reverse Engineering, Test Instrumenter

**Features:** Actual Real-Time code execution

**Languages Supported:** Ada, CMS-2, JOVIAL

**Configurations:** PC/MS-DOS, PC/Windows

**Tool: Metamorphosis**

**Vendor: J.H. Shannon Associates, Inc.**

Version: 3.0	Release Date: 1/01/88	POC: John H. Shannon
Number Sold: 50	Single User Price: \$474	Phone: 919-929-6863 Fax: -
Report Date: 8/03/92	Report Updated: 8/31/94	E-mail:
		Address: P.O. Box 597 Chapel Hill, NC 27514

**Description:** Metamorphosis translates any source program from one language to another when configured with the syntactical definition of the source and target languages. Fortran, PL/1, and Assembler to C. Fortran, Jovial and CMS-2 to Ada.

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:** Assembler, CMS, CMS-2, FORTRAN, JOVIAL, PL/1

**Configurations:** PC/MS-DOS

**Tool: COBOL Magic**

**Vendor: Jacobson Software, Inc.**

Version: 1.3	Release Date: 12/01/93	POC: Richard Jacobson
Number Sold: 20	Single User Price: \$175-\$275	Phone: 612-550-1609 Fax: -
Report Date: 1/26/93	Report Updated: 6/30/94	E-mail:
		Address: 4221 Hemlock Lane Plymouth, MN 55441

**Description:** COBOL Magic analyzes COBOL source code. Data definitions and paragraphs can be located without typing. An automatic stack of return locations prevents you from getting lost while following complex logic.

**Classification:** Coding, Reengineering, Reuse, Cross Referencing Tool, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** COBOL, COBOL II, CORAL 86

**Configurations:** PC/MS-DOS

*Software Technology Support Center (STSC)*

**Tool: EasyCODE**

Version:                      Release Date:  
Number Sold:    -              Single User Price: (Contact Vendor)  
Report Date: 2/22/95        Report Updated: 2/22/95

**Vendor: John Liedl, PhD Consulting, S/W, & Machi**

POC: Technical Support  
Phone: 919-859-9364 Fax: 919-859-4337  
E-mail:  
Address: 4917 Water's Edge Drive, Suite 272  
Raleigh, NC 27606

**Description:** EasyCODE improves quality and documentation, takes burden off mainframe, reduces the expense of maintenance, analyzes and qualifies the existing software, and evaluates proven software to new technologies. Integrates smoothly with existing software tools.

**Classification:** Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** C++, COBOL

**Configurations:** UNIX/Windows

**Tool: Integrated Design Automation System (IDAS)**

Version: 1.5                      Release Date: 7/01/92  
Number Sold:    -              Single User Price: \$10,000+  
Report Date: 1/07/93        Report Updated: 12/13/93  
Training available

Site license available

**Vendor: JRS Research Laboratories, Inc.**

POC: Deborah Runner  
Phone: 714-974-2201 Fax: 714-974-2540  
E-mail: debbie@jrs.com  
Address: 1036 W. Taft Ave.  
Orange, CA 92665

**Description:** IDAS, includes processor synthesis tools, automatically retargetable Ada and C compilers, VHDL modeling and simulation, fast software simulation for testing, and hardware/software tradeoff and analysis facilities.

**Classification:** System Simulation, Design, Coding, Testing, Documentation, Reengineering, Reuse, Software Engineering Environment, Code Generator, Compiler, Network Simulator, Retargeting, Simulator

**Features:** VHDL simulation

**Languages Supported:** Ada, C

**Configurations:** PC/MS-DOS, Sun/Sun OS

**Tool: ADW/Load (ADW Load)**

Version:    -                      Release Date:  
Number Sold:    -              Single User Price: (Contact Vendor)  
Report Date: 2/08/93        Report Updated:

**Vendor: KnowledgeWare, Inc.**

POC: Al Fox  
Phone: 714-974-2201 Fax: 714-974-2540  
E-mail: debbie@jrs.com  
Address: 1036 W. Taft Ave.  
Orange, CA 92665

**Description:** The reverse engineering LOAD utility allows the user to migrate existing application's data definitions to a CASE environment.

**Classification:** Quality Assurance, Reengineering, Data Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** COBOL, VSAM

**Configurations:** IBM/MVS, PC/MS-DOS, PC/OS/2



*Appendix B: Product Sheets by Vendor Name*

**Tool: ADW/Pinpoint**

Version: – Release Date:  
Number Sold: – Single User Price: (Contact Vendor)  
Report Date: 2/08/93 Report Updated: 6/30/94

**Vendor: KnowledgeWare, Inc.**

POC: Technical Support  
Phone: 919-859-9364 Fax: 919-859-4337  
E-mail:  
Address: 4917 Water's Edge Drive, Suite 272  
Raleigh, NC 27606

**Description:** ADW/Pinpoint makes previously slow tasks take less time. It has detailed analysis results, which makes it easy for the user to work on specific tasks rapidly.

**Classification:** Coding, Testing, Quality Assurance, Reengineering, Auditor, Coverage/Frequency Analyzer, Performance/Timing Analyzer, Reverse Engineering, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** COBOL

**Configurations:** IBM/MVS

**Tool: ADW/Recoder**

Version: – Release Date:  
Number Sold: – Single User Price: (Contact Vendor)  
Report Date: 2/08/93 Report Updated:

**Vendor: KnowledgeWare, Inc.**

POC: Technical Support  
Phone: 919-859-9364 Fax: 919-859-4337  
E-mail:  
Address: 4917 Water's Edge Drive, Suite 272  
Raleigh, NC 27606

**Description:** ADW/Recoder simplifies previously complex programs into structured COBOL. Programs may be produced which are easily enhanced and maintained, and reports offer insight to the programs.

**Classification:** Reengineering, Restructurer

**Features:**

**Languages Supported:** COBOL

**Configurations:** IBM/MVS

**Tool: LANSА**

Version: – Release Date:  
Number Sold: – Single User Price: (Contact Vendor)  
Report Date: 1/31/95 Report Updated: 1/31/95

**Vendor: LANSА USA, INC.**

POC: Technical Support  
Phone: 708-323-7779 Fax: 708-789-2176  
E-mail:  
Address: 460 Quail Ridge Drive  
Westmont, IL 60559

**Description:** LANSА'S sole purpose is simple-to assist organizations in becoming more competitive by facilitating the development of high quality application software, quickly, in a consistent manner and with existing skill sets, while at the same time ensuring that the software can be modified and extended in a fraction of the time required by traditional methods.

**Classification:** Coding, Reengineering, Code Generator, Debugger, Forward Engineering, Reverse Engineering, Screen Painter

**Features:**

**Languages Supported:** –

**Configurations:** AS/400, IBM/OS/2, PC

*Software Technology Support Center (STSC)*

**Tool: LBMS SYSTEMS ENGINEER**

Version: 5.2      Release Date: 11/01/94  
Number Sold: —      Single User Price: \$6,900  
Report Date: 3/07/94      Report Updated: 10/31/94  
Training available      Newsletter Available

**Vendor: LBMS, Inc.**

POC: Peter Combe  
Phone: 713-623-0414 Fax:  
E-mail:  
Address: 1800 W. Loop South, Ste. 1800  
Houston, TX 77027

**Description:** SYSTEMS ENGINEER is an enhanced and extended replacement of AUTO-MATE PLUS, the vendor's initial CASE product. It is an SAA/CUA compliant multi-user tool for software analysis and design that provides for real-time update of its repository of project information over the life cycle of a development project. The product is an environment for the development of applications providing facilities for the product of development deliverables, direct integration with popular word processors, and access to a code generation environment or toolset. Secondly, the product provides a full range of capabilities and techniques in support of systems analysis, logical design, physical design, and database generation. The tool enables population of the data model from any selected source including data flow diagrams and screens. SYSTEMS ENGINEER provides facilities for normalizing the data model associated with a system design and for generating database schemas for a variety of target environments. Normalization is guided by an expert system which helps establish an understanding of the normalization process. Resulting third normal form relations are optimized automatically. The detailed processing logic for the application under development is generated directly from the models within SYSTEMS ENGINEER, supported by a pseudo-code generator which is used to define detailed access and manipulation of data.

**Classification:** Design, Coding, Reengineering, Forward Engineering

**Features:**

**Languages Supported:**

**Configurations:** OS/2, Windows, PC/MS-DOS, UNIX

**Tool: ACE\*Tester**

Version:      Release Date:  
Number Sold: —      Single User Price: \$10,000+  
Report Date: 7/07/92      Report Updated: 2/27/95

**Vendor: Legent Corp.**

POC: Technical Support  
Phone: 800-726-1637 Fax: 508-836-5992  
E-mail:  
Address: 575 Herndon Parkway  
Herndon, VA 22070

**Description:** ACE\*Tester is an Oracle-based multi-user integrated source code analyzer and debugger. Lets user implement directed testing methodology that eliminates repetitive testing.

**Classification:** Coding, Testing, Debugger, Source Code Translator

**Features:**

**Languages Supported:**

**Configurations:** AIX, AOS/VS, VM, DEC, HP/HP-UX, PC/MS-DOS, Sequent, Sun/Sun OS, VAX/VMS

*Appendix B: Product Sheets by Vendor Name*

**Tool: PARITY**

Version: - Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 3/15/93 Report Updated:

**Vendor: Legent Corp.**

POC: Steven King  
Phone: 800-726-1637 Fax: 508-836-5992  
E-mail:  
Address: 575 Herndon Parkway  
Herndon, VA 22070

**Description:** PARITY aids in creating error-free, high-optimized SQL code. Programmers are able to code, test and tune without leaving the ISPF edit session, and plan analysis capabilities are provided.

**Classification:** Coding, Reengineering, Database, Forward Engineering

**Features:**

**Languages Supported:** DB2, SQL

**Configurations:** VM, AS/400, MVS, Tandem, UNIX, VAX/VMS

**Tool: FORTRANgen**

Version: 1.0 Release Date: 7/01/94  
Number Sold: Single User Price: \$7,500+/process  
Report Date: 10/18/94 Report Updated: 10/31/94

**Vendor: Leverage Technologists**

POC: Technical Support  
Phone: 301-309-8783 Fax: -  
E-mail:  
Address: P O Box 4638  
Rockville, MD 20849-4638

**Description:** FORTRANgen is a suite of four tools for revitalizing legacy FORTRAN software. It provides a graphical representation which displays system components, relationships, and design elements in a single consistent diagramming style.

**Classification:** Coding, Reengineering, Code Generator, Forward Engineering, Redocumenter, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** IBM, PC

**Tool: C-SCAPE**

Version: 4.0.1 Release Date: 1/01/93  
Number Sold: - Single User Price: \$499  
Report Date: 3/03/93 Report Updated: 12/03/93  
Newsletter Available  
Evaluation copy available Site license available

**Vendor: LIANT Software Corp.**

POC: April Seaberg  
Phone: 800-726-1637 Fax: 508-836-5992  
E-mail:  
Address: 575 Herndon Parkway  
Herndon, VA 22070

**Description:** C-SCAPE is an object-oriented interface management system. The C-SCAPE library is a collection of functions for working with windows, data entry screens, graphical images, menus, and text editing.

**Classification:** System Simulation, Design, Coding, Testing, Reengineering, Software Engineering Environment, Cross Referencing Tool, Debugger, Reverse Engineering

**Features:**

**Languages Supported:** C, C++

**Configurations:** PC/MS-DOS, PC/OS/2, Sun/Sun OS, UNIX, VAX/VMS

*Software Technology Support Center (STSC)*

**Tool: LOOK & FEEL**

Version: 4.0.1      Release Date: 9/01/94  
Number Sold: —      Single User Price: \$499  
Report Date: 12/23/92      Report Updated: 10/20/94  
Training available  
Evaluation copy available      Site license available

**Vendor: LIANT Software Corp.**

POC: Technical Support  
Phone: 508-872-8700x370      Fax: 508-820-0035  
E-mail:  
Address: 959 Concord St.  
Framingham, MA 01701-4613

**Description:** Look & Feel is an interactive screen editor and prototyping tool that generates C source code from the screens and menus you design. This source code makes the appropriate library calls to the C-SCAPE interface management system.

**Classification:** System Simulation, Design, Coding, Software Engineering Environment, Code Generator, Forward Engineering

**Features:**

**Languages Supported:** C

**Configurations:** PC/MS-DOS, PC/OS/2, Sun/Sun OS, UNIX, VAX/VMS

**Tool: BPwin**

Version: 2.5      Release Date: 11/01/94  
Number Sold: —      Single User Price: \$1,995  
Report Date: 8/22/94      Report Updated: 10/31/94

**Vendor: Logic Works**

POC: Technical Support  
Phone: 703-761-6741      Fax: 703-848-0701  
E-mail:  
Address: 8300 Boone Blvd., Ste. 500  
Vienna, VA 22182

**Description:** BPwin is a Business Process Reengineering (BPR) tool that define and optimize any business process.

**Classification:** Reengineering, Database, Business Process Reengineering, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** SQL

**Configurations:** PC/Windows

**Tool: ERwin/ERX**

Version: 1.2a      Release Date: 4/01/93  
Number Sold: —      Single User Price: \$2,795  
Report Date: 8/22/94      Report Updated: 10/31/94

**Vendor: Logic Works**

POC: Technical Support  
Phone: 703-761-6741      Fax: 703-848-0701  
E-mail:  
Address: 8300 Boone Blvd., Ste. 500  
Vienna, VA 22182

**Description:** ERwin/ERX is a design database applications with client/server features, including triggers and domains. It also reverse-engineer existing SQL database applications and redesign them for the client/server world.

**Classification:** Coding, Reengineering, Database, Code Generator, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** SQL

**Configurations:** PC/Windows, Sun, UNIX

*Appendix B: Product Sheets by Vendor Name*

**Tool: PRIDE Information Factory (PRIDE)**

Version:                      Release Date:  
Number Sold:    -              Single User Price: \$148,000  
Report Date: 7/06/92        Report Updated: 1/31/95

**Vendor: M. Bryce & Associates, Inc.**

POC: Technical Support  
Phone: 813-786-4567 Fax: 813-786-4765  
E-mail:  
Address: 777 Alderman Rd.  
Palm Harbor, FL 34683

**Description:** PRIDE Information Factory is a structured front-end business information reengineering tool that provides an automated solution for Information Resource Management (IRM). PRIDE uses an integrated collection of software tools and methodologies to apply engineering and manufacturing concepts to information resources throughout the enterprise, and to generate application systems.

**Classification:** Reengineering, Business Process Reengineering, Forward Engineering, Redocumenter

**Features:**

**Languages Supported:** -

**Configurations:** IBM/OS/2

**Tool: CONVERSION ENGINE**

Version: 2.3.2              Release Date: 4/01/92  
Number Sold: 7              Single User Price: \$60,000-\$90,000  
Report Date: 1/27/93        Report Updated: 7/27/94  
Training available  
Evaluation copy available      Site license available

**Vendor: M.D. Friedman Associates, Inc.**

POC: Technical Support  
Phone: 214-644-1379 Fax: 214-690-9318  
E-mail:  
Address: 9241 LBJ Freeway, Ste. 100  
Dallas, TX 75243

**Description:** CONVERSION ENGINE is a generalized programmable language processor used for diverse software analysis, migration, reverse engineering and re-engineering activities. Will translate from Cobol and Pascal to Cobol II, Ada, and others.

**Classification:** Coding, Reengineering, Retargeting, Reverse Engineering, Source Code Translator, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** ALC, Basic, BMS, COBOL, COBOL II, DATACOM, MFS, Pascal, SQL

**Configurations:** IBM/AIX, PC/MS-DOS

**Tool: DATACOM to SQL Conversion Aid**

Version: 2.3.4              Release Date: 1/01/93  
Number Sold: 8              Single User Price: \$90,000  
Report Date: 3/03/93        Report Updated:  
Training available  
Evaluation copy available      Site license available

**Vendor: M.D. Friedman Associates, Inc.**

POC: K. L. Lightfoot  
Phone: 214-644-1379 Fax: -  
E-mail:  
Address: 9241 LBJ Freeway, Ste. 100  
Dallas, TX 75243

**Description:** A version of Friedman & Associates CONVERSION ENGINE (R) - Functionally replaces DATACOM based processing in a program with the required SQL statements. The current system design and program structure are retained while transferring the app. to SQL.

**Classification:** Reengineering, Data Reengineering

**Features:**

**Languages Supported:** DBMS

**Configurations:** DOS - 4.0 and above

*Software Technology Support Center (STSC)*

**Tool: The Data Design Facility (DDF)**

Version:                      Release Date:  
Number Sold:    -              Single User Price: (Contact Vendor)  
Report Date:    9/21/92        Report Updated:    6/08/94

**Vendor: Magna Software Corp.**

POC:    Technical Support  
Phone:    212-691-0300    Fax:    -  
E-mail:  
Address:    275 Seventh Ave.  
              New York, NY 10001

**Description:** This tool is a productivity tool for the administrator of complex GCOS 8 data bases.

**Classification:** Reengineering, Restructurer, Reverse Engineering

**Features:**

**Languages Supported:** -

**Configurations:**

**Tool: COBOL Structuring Aid (CSA)**

Version:    2.8                      Release Date:    10/26/87  
Number Sold:    50 +              Single User Price: (Contact Vendor)  
Report Date:    2/01/93        Report Updated:

**Vendor: Marble Computer, Inc.**

POC:    Gail Y. O'Leary  
Phone:    800-252-1400    Fax:    304-267-3046  
E-mail:  
Address:    205 E. King St., PO Box 2088  
              Martinsburg, WV 25401

Site license available

**Description:** CSA automatically formats programs in accordance with specified installation standards and conventions.

**Classification:** Reengineering, Redocumenter, Reformatter, Restructurer

**Features:**

**Languages Supported:** Assembler, COBOL

**Configurations:** OS/MVS/ESA/XA

**Tool: DCD III**

Version:    1.5                      Release Date:    7/01/93  
Number Sold:    500+              Single User Price:    \$Contact Vendor  
Report Date:    2/01/93        Report Updated:    6/30/94  
Training available  
Evaluation copy available              Site license available

**Vendor: Marble Computer, Inc.**

POC:    Gail Y. O'Leary  
Phone:    800-252-1400    Fax:    304-267-3046  
E-mail:  
Address:    205 E. King St., PO Box 2088  
              Martinsburg, WV 25401

**Description:** DCD III is a COBOL maintenance tool that provides documentation for analysis of COBOL programs and systems, and source-level analysis.

**Classification:** Coding, Documentation, Reengineering, Reuse, Coverage/Frequency Analyzer, Cross Referencing Tool, Data Extractor, Data Name Rationalizer, Data Reengineering, Redocumenter, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** COBOL

**Configurations:** OS/VS1, MVS, MVS/XA, MVS/ESA, PC/MS-DOS, Unisys1100 /2200/OS-1100

*Appendix B: Product Sheets by Vendor Name*

**Tool: Adagen**

Version: - Release Date:  
Number Sold: - Single User Price: \$3000  
Report Date: 3/02/93 Report Updated: 6/07/94

**Vendor: Mark V Systems**

POC: Technical Support  
Phone: 818-995-7671 Fax: 818-995-4267  
E-mail:  
Address: 16400 Ventura Blvd., Suite 300  
Encino, CA 91436-2123

**Description:** Adagen is a CASE development environment for Ada. It lets the user customize the diagramming conventions and specify consistency checks to support in-house practices.

**Classification:** Coding, Requirements Analysis, Reengineering, Software Engineering Environment, Code Generator, Forward Engineering, Reverse Engineering, Rule-Based Shell

**Features:**

**Languages Supported:** Ada

**Configurations:** Apollo/SR, DG/UX, HP/HP-UX, IBM/UNIX, Mac/Multifinde, MIPS/RISC, PC/MS-DOS, RISC 6000/AIX, SCO/UNIX, Sun/Sun OS, VAX/VMS

**Tool: ObjectMaker**

Version: 3.0 Release Date: 10/01/94  
Number Sold: 6,000+ Single User Price: \$800+  
Report Date: 3/02/93 Report Updated: 1/04/95  
Training available  
Evaluation copy available Site license available

**Vendor: Mark V Systems**

POC: Technical Support  
Phone: 818-995-7671 Fax: 818-995-4267  
E-mail:  
Address: 16400 Ventura Blvd., Suite 300  
Encino, CA 91436-2123

**Description:** ObjectMaker is a multi-purpose CASE tool which offers developers broad, off-the-shelf support for both object-oriented and traditional methods, multi-language code generation and reverse engineering capability. Includes Adagen, C-gen, and others.

**Classification:** Requirements Trace, Design, Coding, Requirements Analysis, Documentation, Reengineering, Reuse, Software Engineering Environment, Code Generator, Forward Engineering, Reusable Components Identifier, Reverse Engineering

**Features:**

**Languages Supported:** Ada, C, C++, COBOL

**Configurations:** Apollo/UNIX, DEC, DG, HP/HP-UX, IBM, Mac/Mac OS, MIPS, PC/MS-DOS, RISC 6000, Sun/Sun OS

**Tool: JCL/Convert**

Version: - Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 5/10/93 Report Updated: 6/07/94

**Vendor: MB Solutions, Inc.**

POC: Technical Support  
Phone: 303-321-2205 Fax: -  
E-mail:  
Address: 1720 So. Bellaire St. Ste.106  
Denver, CO 80222-4308

**Description:** Automates analysis and design capture of JCL.

**Classification:** Design, Reengineering, Cross Referencing Tool, Reverse Engineering

**Features:**

**Languages Supported:** JCL

**Configurations:** MVS, IBM/MPS10

*Software Technology Support Center (STSC)*

**Tool: Battlemap Analysis Tool (BAT)**

**Vendor: McCabe & Assoc., Inc.**

Version: 4.01	Release Date: 8/31/93	POC: Tim McCabe
Number Sold: -	Single User Price: (Contact Vendor)	Phone: 800-634-0150 Fax: 410-995-1528
Report Date: 1/26/93	Report Updated: 6/02/94	E-mail:
Training available	Newsletter Available	Address: 5501 Twin Knolls Rd., Suite 111
Evaluation copy available	Site license available	Columbia, MD 21045

**Description:** BAT is a reverse engineering and maintenance tool that analyzes source code at the system level and computes the McCabe essential complexity metric. Monitors the effect that changes to modules and insertion of new modules have on a system.

**Classification:** Coding, Testing, Reengineering, Complexity Measurer, Reverse Engineering, Size Measurer, Structure Checker, Test Data Generator

**Features:** SLOC Actuals

**Languages Supported:** Ada, Assembler, C, C++, COBOL, FORTRAN, Pascal, PDL

**Configurations:** UNIX, PC/MS-DOS, HP/Softbench, IBM Workbench, Motif, Openlook.

**Tool: BattlePlan**

**Vendor: McCabe & Assoc., Inc.**

Version: -	Release Date: 12/01/92	POC: Tim McCabe
Number Sold: -	Single User Price: (Contact Vendor)	Phone: 800-634-0150 Fax: 410-995-1528
Report Date: 7/20/93	Report Updated: 6/30/94	E-mail:
Training available	Newsletter Available	Address: 5501 Twin Knolls Rd., Suite 111
Evaluation copy available	Site license available	Columbia, MD 21045

**Description:** BattlePlan used to design and incorporate new functions into exiting systems. Also, it gives software developers instantaneous testing, verification, integration and application of the McCabe Methodology.

**Classification:** Testing, Reengineering, Forward Engineering, Reverse Engineering, Test Data Generator

**Features:**

**Languages Supported:** All

**Configurations:** UNIX, PC/MS-DOS, Softbench, IBM Workbench, Motif, OpenLook

**Tool: CodeBreaker**

**Vendor: McCabe & Assoc., Inc.**

Version: 4.01	Release Date: 8/31/93	POC: Tim McCabe
Number Sold: -	Single User Price: (Contact Vendor)	Phone: 800-634-0150 Fax: 410-995-1528
Report Date: 1/26/93	Report Updated: 6/30/94	E-mail:
Training available	Newsletter Available	Address: 5501 Twin Knolls Rd., Suite 111
Evaluation copy available	Site license available	Columbia, MD 21045

**Description:** CodeBreaker, a reverse engineering tool that identifies redundant and reusable code. It can be used to compare the designs of two modules as well as the designs of two programs. It verifies both the decision structure and the calling structure.

**Classification:** Design, Coding, Testing, Reengineering, Restructurer, Reusable Components Identifier, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** All

**Configurations:** UNIX, Apollo, DEC, DEC/ULTRIX, HP, IBM/AIX, PC/MS-DOS, SGraphics, VAX/VMS



*Appendix B: Product Sheets by Vendor Name*

**Tool: Object Oriented Tool (OOT)**

Version: – Release Date:  
Number Sold: – Single User Price: (Contact Vendor)  
Report Date: 9/16/93 Report Updated: 9/16/93

**Vendor: McCabe & Assoc., Inc.**

POC: Tim McCabe  
Phone: 800-634-0150 Fax: 410-995-1528  
E-mail:  
Address: 5501 Twin Knolls Rd., Suite 111  
Columbia, MD 21045

**Description:** OO Tool assist in migration from traditional languages, as well as some new metrics applicable to object oriented, and specialized support for C++. Produces unit, integration, and object tests. Explicitly supports identifying and quantifying testing.

**Classification:** Metrics, Reengineering, Restructurer

**Features:**

**Languages Supported:** C++

**Configurations:** PC

**Tool: Foundation SQL**

Version: 1.4 Release Date: 12/01/87  
Number Sold: – Single User Price: \$16,000  
Report Date: 1/07/93 Report Updated: 10/20/94  
Training available Newsletter Available

**Vendor: Menlo Business Systems, Inc.**

POC: Gary Bell  
Phone: 415-948-7920 Fax: 415-949-6655  
E-mail:  
Address: 201 Main St.  
Los Altos, CA 94022

**Description:** Foundation SQL allow forward engineering to Tandem or reverse engineering Tandem databases to Foundation Vista. Components created include DDL definitions. IPC structures, SQL tables/views and pathway screen structures.

**Classification:** Reengineering, Software Engineering Environment, Retargeting, Reverse Engineering

**Features:**

**Languages Supported:** COBOL, TAL

**Configurations:** Tandem

**Tool: Foundation Translator**

Version: 1.4 Release Date: 12/01/87  
Number Sold: – Single User Price: \$16,000  
Report Date: 1/07/93 Report Updated: 10/20/94  
Training available Newsletter Available

**Vendor: Menlo Business Systems, Inc.**

POC: Tech Support (MBS)  
Phone: 415-948-7920 Fax: 415-949-6655  
E-mail:  
Address: 201 Main St.  
Los Altos, CA 94022

**Description:** Foundation Translator automatically interfaces compiled Vista designs with the Tandem environment by producing PATHWAY screen definitions and Data Definition Language components for the database definitions and interprocess notes.

**Classification:** Reengineering, Software Engineering Environment, Data Reengineering, Retargeting, Reverse Engineering

**Features:**

**Languages Supported:** COBOL

**Configurations:** Tandem/OS

*Software Technology Support Center (STSC)*

**Tool: Foundation Vista10**

Version: 4.1      Release Date: 6/01/91  
Number Sold: 300+      Single User Price: \$7,900  
Report Date: 1/07/93      Report Updated: 6/07/94  
   Newsletter Available

Evaluation copy available

**Vendor: Menlo Business Systems, Inc.**

POC: Gary Bell  
Phone: 415-948-7920 Fax: 415-949-6655  
E-mail:  
Address: 201 Main St.  
                 Los Altos, CA 94022

**Description:** Foundation Vista's purpose is the design and analysis of software applications. It is a fully integrated, multiuser, repository driven, design/analysis tool.

**Classification:** Design, Requirements Analysis, Documentation, Reengineering, Database, Forward Engineering, Redocumenter, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** C++

**Configurations:** Mac/Mac OS

**Tool: Cradle SEE**

Version: 1.7      Release Date: 1/01/88  
Number Sold: 500      Single User Price: (Contact Vendor)  
Report Date: 1/13/94      Report Updated: 1/13/94  
Training available  
Evaluation copy available      Site license available

**Vendor: Mesa Systems Guild, Inc.**

POC: Alan Hecht  
Phone: 401-421-9390 Fax: 401-421-3590  
E-mail:  
Address: 168 Ninth Street  
                 Providence, RI 02906-2931

**Description:** Cradle SEE is a fully integrated, multi-user, multi-project systems engineering environment for turning formalized requirements into systems and softwares.

**Classification:** System Simulation, Design, Coding, Requirements Analysis, Testing, Quality Assurance, Reengineering, Code Generator, Forward Engineering, Reverse Engineering

**Features:** Functional Analysis

**Languages Supported:** Ada, C, Pascal

**Configurations:** Solaris2.1, DEC/ULTRIX, HP/HP-UX, IBM/AIX, PC/UNIX, Sun/Sun OS

**Tool: Mesa/CASE Tool Interface (Mesa/CTI)**

Version: 1.1      Release Date: 10/01/92  
Number Sold: 10      Single User Price: \$10,000  
Report Date: 12/28/92      Report Updated:

Evaluation copy available      Site license available

**Vendor: Mesa Systems Guild, Inc.**

POC: Alan Hecht  
Phone: 401-421-9390 Fax: 401-421-3590  
E-mail:  
Address: 168 Ninth Street  
                 Providence, RI 02906-2931

**Description:** Mesa/CTI allows you to move data created with IDE's Software through Pictures (StP) into Cadre's Teamwork environment and Teamwork data into StP. Mesa/CTI also allows you to import Teamwork into TurboCASE and export TurboCASE to Teamwork.

**Classification:** Design, Requirements Analysis, Reengineering, Retargeting

**Features:**

**Languages Supported:** C

**Configurations:** Appollo.

*Appendix B: Product Sheets by Vendor Name*

**Tool: Mesa/Postscript Support for CASE (Mesa/PS)**

Version: 1.0 Release Date: 8/01/92  
Number Sold: 200 Single User Price: (Contact Vendor)  
Report Date: 12/28/92 Report Updated: 1/13/94  
Training available  
Evaluation copy available Site license available

**Vendor: Mesa Systems Guild, Inc.**

POC: Alan Hecht  
Phone: 401-421-9390 Fax: 401-421-3590  
E-mail:  
Address: 168 Ninth Street  
Providence, RI 02906-2931

**Description:** Mesa/PS provides support for all textual and graphic objects made with Teamwork. These are put out specifically for the user's preference. The user can choose between methodological styles, and can use favorite document production systems.

**Classification:** Documentation, Data Reengineering

**Features:**

**Languages Supported:** --

**Configurations:** Sun/Solaris2.1, Sun/Sun OS

**Tool: Mesa/Teamwork Model Bridge (Mesa/TMB)**

Version: 1.2 Release Date: 8/01/92  
Number Sold: 250 Single User Price: (Contact Vendor)  
Report Date: 12/28/92 Report Updated: 1/13/94  
Training available  
Evaluation copy available Site license available

**Vendor: Mesa Systems Guild, Inc.**

POC: Alan Hecht  
Phone: 401-421-9390 Fax: 401-421-3590  
E-mail:  
Address: 168 Ninth Street  
Providence, RI 02906-2931

**Description:** Mesa/TMB lets users take a multi-model, distributed development approach with some Teamwork tools. It gets rid of model and database boundaries. Principle functions include inheriting and checking split models and letting split models reside separately.

**Classification:** Design, Requirements Analysis, Project Management, Configuration Management, Reuse, Database, Software Engineering Environment, Data Name Rationalizer, Data Reengineering, Reusable Components Identifier

**Features:**

**Languages Supported:** C

**Configurations:** HP/Domain, IBM, Sun, VAX/VMS

**Tool: Design/IDEF**

Version: 3.0 Release Date: 1/01/94  
Number Sold: 4,000 Single User Price: \$3,995  
Report Date: 11/29/93 Report Updated: 10/26/94

**Vendor: Meta Software Corp.**

POC: Technical Support  
Phone: 617-576-6920 Fax: 617-661-2008  
E-mail:  
Address: 125 Cambridge Dr.  
Cambridge, MA 02140

Evaluation copy available Site license available  
**Description:** Design/IDEF automates graphical modeling for business process redesign/reengineering and supports IDEF methodology for both process and data modeling. Used to depict complex business processes and supports integrated glossary and data dictionary, activity based costing, links to CASE, import/export of information and links to simulation.

**Classification:** Reengineering, Business Process Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** C

**Configurations:** Mac

*Software Technology Support Center (STSC)*

**Tool: WorkFlow Analyzer (WFA)**

Version: 1.0      Release Date: 9/01/93  
Number Sold: —      Single User Price: (Contact Vendor)  
Report Date: 11/29/93      Report Updated: 1/30/95  
   Newsletter Available

Evaluation copy available

**Vendor: Meta Software Corp.**

POC: Technical Support  
Phone: 617-576-6920 Fax: 617-661-2008  
E-mail:  
Address: 125 Cambridge Dr.  
            Cambridge, MA 02140

**Description:** The WFA is designed to leverage your business process redesign investment, and help reengineer business processes to achieve improved performance in costs, quality, service and speed.

**Classification:** System Simulation, Design, Reengineering, Business Process Reengineering, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** —

**Configurations:** Mac, Sun/SPARC

**Tool: Reveng**

Version: —      Release Date:  
Number Sold: —      Single User Price: (Contact Vendor)  
Report Date: 3/18/93      Report Updated:

**Vendor: Meta Systems for LBMS**

POC: Craig Dembeck  
Phone: 313-663-6027 Fax: 313-663-6119  
E-mail:  
Address: 3025 Boardwalk Dr., Suite 140  
            Ann Arbor, MI 48018-1771

**Description:** Reveng provides automated reverse engineering by analyzing individual programs and producing reports on their structure, data structures, and data usage, and by analyzing code and modeling whole systems as related objects.

**Classification:** Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** Assembler, C, CMS-2, COBOL, FORTRAN, JCL, PL/I

**Configurations:** IBM, PC/MS-DOS, Pyramid, UNIX, VAX/VMS

**Tool: Micro Focus Cobol/2 Workbench**

Version: —      Release Date:  
Number Sold: —      Single User Price: (Contact Vendor)  
Report Date: 12/28/92      Report Updated: 7/05/94

**Vendor: Micro Focus, Inc.**

POC: Guy J. Spaniak  
Phone: 415-856-4161 Fax: 415-856-6134  
E-mail:  
Address: 2465 E. Bayshore Rd., Suite 400  
            Palo Alto, CA 94303

**Description:** Micro Focus Cobol/2 Workbench is a complete COBOL application development system for the PC. The mainframe compatibility of the compiler offers a PC development system and can off-load mainframe program development to intelligent programmer workstations.

**Classification:** Coding, Testing, Quality Assurance, Reengineering, Database, Capture-Replay Tool, Coverage/Frequency Analyzer, Debugger, Forward Engineering, Screen Painter, Structure Checker, Test Execution Manager

**Features:**

**Languages Supported:** COBOL II

**Configurations:** PC/OS/2, PC/Window 3.0

*Appendix B: Product Sheets by Vendor Name*

**Tool: Translation Services**

Version:                      Release Date:  
Number Sold:                Single User Price: \$0.05 per line  
Report Date: 3/15/94      Report Updated: 5/26/94

**Vendor: Micro-Processor Services, Inc.**

POC: Technical Support  
Phone: 516-499-4461 Fax: 516-499-4727  
E-mail:  
Address: 92 Stone Hurst Lane  
Dix Hills, NY 11746

**Description:** Translation Services consist of computer-generated translation of your source code (e.g. Assembler, Cobol, PL/1, Pascal, FORTRAN, BASIC) to "C".

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:** Assembler, Basic, COBOL, COBOL II, FORTRAN, Pascal, PL/1, PL/M

**Configurations:** OS, VM, VSE, IBM/MS-DOS

**Tool: XRAY Source Explorer**

Version: 1.0C                Release Date: 2/01/92  
Number Sold: -              Single User Price: \$995  
Report Date: 1/26/93      Report Updated: 7/06/94  
Training available        Newsletter Available  
Evaluation copy available

**Vendor: Microtec Research, Inc.**

POC: Jeff Shimbo  
Phone: 800-950-5554 Fax: 408-982-8266  
E-mail:  
Address: 2350 Mission College Blvd.  
Santa Clara, CA 95054

**Description:** XRAY Source Explorer is a reengineering, maintenance, and development tool which graphically displays the structure of the program. It provides detailed information about a program's calling structure, its function definitions, and its function calls.

**Classification:** Coding, Reengineering, Software Engineering Environment, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** C, C++

**Configurations:** Sun/Sun OS

**Tool: FORTRAN 77 Programmer's Assistant III**

Version: 3.0                Release Date: 1/01/88  
Number Sold: -              Single User Price: \$650+  
Report Date: 10/05/94    Report Updated: 10/05/94

**Vendor: MicroTools**

POC: Technical Support  
Phone: 408-296-3478 Fax: 408-733-4490  
E-mail:  
Address: P O Box 2745  
Santa Clara, CA 95055-2745

**Description:** FORTRAN conversion tool and FORTRAN to C/C++ translator. Allows conversion of FORTRAN programs to fully-structured GOTO-less code.

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** PC/MS-DOS, Sun

*Software Technology Support Center (STSC)*

**Tool: Mozart**

Version: 3.2      Release Date: 7/01/94  
Number Sold: –      Single User Price: \$4,000  
Report Date: 9/22/94      Report Updated: 10/31/94

**Vendor: Mozart Systems Corp.**

POC: Technical Support  
Phone: 415-340-1588 Fax: 415-340-1648  
E-mail:  
Address: 1350 Bayshore Highway  
Burlingame, CA 94010

**Description:** Mozart is a set of advanced Progressive Application Renovation tools that facilitates the transition from host-based applications to client/server computing.

**Classification:** Reengineering, Database, Software Engineering Environment, Restructurer

**Features:**

**Languages Supported:** DB2, SQL

**Configurations:** MS-DOS, OS/2, PC/Windows

**Tool: REengineering Applications (REAP)**

Version: 2.2.1      Release Date: 10/01/93  
Number Sold: 2      Single User Price: (Contact Vendor)  
Report Date: 10/21/93      Report Updated: 10/20/94

**Vendor: NASA Johnson Space Center**

POC: Dennis Braley  
Phone: 713-483-8080 Fax: 713-244-5698  
E-mail: braley@nasamail.nasa.gov  
Address: Mail Code PT4  
Houston, TX 77058

**Description:** The REAP provides significant maintenance capabilities for FORTRAN programs and support for reengineering. It includes a set of proven tools of FORTRAN analysis, maintenance, and documentation, and a common user interface.

**Classification:** Requirements Analysis, Documentation, Reengineering, Maintainability Analyzer, Redocumenter

**Features:**

**Languages Supported:** FORTRAN

**Configurations:**

**Tool: LabVIEW**

Version:      Release Date:  
Number Sold: –      Single User Price: (Contact Vendor)  
Report Date: 1/30/95      Report Updated: 1/30/95

**Vendor: National Instruments**

POC: Technical Support  
Phone: 512-794-0100 Fax: 512-794-8411  
E-mail:  
Address: 6504 Bridge Point Parkway  
Austin, TX 78730-5039

**Description:** LabVIEW is a graphical programming system for data acquisition and control, data analysis, and data presentation. It offers an innovative programming methodology in which you graphically assemble software modules called Virtual Instruments. It also gives you an alternative to cumbersome text-based programming.

**Classification:** Design, Coding, Testing, Reengineering, Compiler, Reverse Engineering, Statistical Analyzer

**Features:**

**Languages Supported:** C

**Configurations:** Mac, Sun/Windows

*Appendix B: Product Sheets by Vendor Name*

**Tool: CMS-2 Design Analyzer (DESAN)**

Version: 6                      Release Date: 10/28/93  
Number Sold: 6                Single User Price: \$25,000  
Report Date: 3/02/93        Report Updated: 6/02/94  
Training available  
Evaluation copy available

**Vendor: NCCOSC**

POC: Bryan Riegler  
Phone: 619-553-9446 Fax: 619-553-9483  
E-mail: riegler@maple.nosc.mil  
Address: NRaD, Code 884/RIEGLE  
San Diego, CA 92152

**Description:** CMS-2 DESAN analyzes CMS-2 source code in preparation for reengineering, provide references, include elements and other reports showing interdependencies.

**Classification:** Design, Coding, Documentation, Project Management, Reengineering, Reuse, Software Engineering Environment, Reverse Engineering, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** Ada, CMS-2

**Configurations:** PC/MS-DOS, Sun/UNIX, VAX/VMS

**Tool: CMS-2 Translate to Ada (TRADA)**

Version: Devel.                Release Date: 12/31/93  
Number Sold: 1                Single User Price: \$50,000/Project  
Report Date: 3/02/93        Report Updated: 6/02/94  
Training available  
Evaluation copy available

**Vendor: NCCOSC**

POC: Bryan Riegler  
Phone: 619-553-9446 Fax: 619-553-9483  
E-mail: riegler@maple.nosc.mil  
Address: NRaD, Code 884/RIEGLE  
San Diego, CA 92152

**Description:** The CMS-2 Translate to Ada tool will translate CMS-2 source code into Ada source code. (Marks constructs not translated)

**Classification:** Reengineering, Source Code Translator

**Features:** CMS-2 compile time system

**Languages Supported:** Ada, CMS-2

**Configurations:** VAX/VMS

**Tool: NETRON/CAP**

Version: 2.07                      Release Date: 11/01/92  
Number Sold: 150+                Single User Price: (Contact Vendor)  
Report Date: 1/26/93            Report Updated: 6/02/94  
Training available                Newsletter Available  
Site license available

**Vendor: Netron, Inc.**

POC: Eileen Gallagher  
Phone: 416-636-8333 Fax: 416-636-4847  
E-mail:  
Address: 99 St. Regis Cres. N  
Downsview, ON M3J 1Y9 Canada

**Description:** NETRON/CAP is a case system for COBOL maintenance and development, allows users to prototype, design, test, maintain, and develop their COBOL applications.

**Classification:** System Simulation, Design, Reengineering, Forward Engineering

**Features:**

**Languages Supported:** CICS, COBOL

**Configurations:** IMS/DC, VMS, MS-DOS/OS2, RISC 6000/AIX

*Software Technology Support Center (STSC)*

**Tool: Open Interface**

Version: — Release Date:  
Number Sold: — Single User Price: (Contact Vendor)  
Report Date: 2/10/92 Report Updated: 6/02/94

**Vendor: Neuron Data**

POC: Technical Support  
Phone: 415-321-4488 Fax: 415-321-9648  
E-mail:  
Address: 156 University Ave.  
Palo Alto, CA 94301

**Description:** Open Interface is an object-oriented, C based, extensible development tool with a layered API and graphic editor.

**Classification:** Reengineering, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** C

**Configurations:** UNIX, Mac/Mac OS, PC/MS-DOS, PC/OS/2, VAX/VMS

**Tool: Objectivity/DB**

Version: 2.1 Release Date:  
Number Sold: — Single User Price: (Contact Vendor)  
Report Date: 1/03/94 Report Updated: 1/03/94

**Vendor: Objectivity, Inc.**

POC: Michael F. Motyka  
Phone: 415-688-8000 Fax: 415-325-0939  
E-mail: info@objy.com  
Address: 800 El Camino Real  
Menlo Park, CA 94025

**Description:** Objectivity/DB helps migrate application schemas and objects as applications change.

**Classification:** Reengineering, Database, Reverse Engineering

**Features:**

**Languages Supported:** C, C++

**Configurations:** DEC, HP, IBM, NCR, Sun

**Tool: ONTOS VIA/OIS**

Version: Release Date:  
Number Sold: — Single User Price: (Contact Vendor)  
Report Date: 6/26/92 Report Updated: 1/30/95

**Vendor: ONTOS, Inc.**

POC: Technical Support  
Phone: 617-272-7110 Fax: 617-272-8101  
E-mail:  
Address: Three Burlington Woods  
Burlington, MA 01803

**Description:** ONTOS VIA/OIS allow organizations to take advantage of new technologies, such as object-oriented software development tools and distributed computing topologies, while preserving existing IS investments--particularly in relational technology.

**Classification:** Reengineering, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** C++

**Configurations:** Sun, UNIX



*Appendix B: Product Sheets by Vendor Name*

**Tool: ARC SADCA**

Version: — Release Date: —  
Number Sold: — Single User Price: (Contact Vendor)  
Report Date: 8/04/93 Report Updated: 6/30/94

**Vendor: Optimization Technology, Inc.**

POC: Trace D. Parish  
Phone: 205-721-1288 Fax: 205-837-9682  
E-mail: parish@oti-hsv.com  
Address: 5021 Technology Drive, Ste. 1-A  
Huntsville, AL 35805

**Description:** ARC SADCA is a multilingual automated software development, testing and maintenance tool. It contains translators for the C, Ada, and FORTRAN languages and has been designed with a language independent tool set facilitating a rapid and inexpensive path for the creation and linking of additional language translators.

**Classification:** Coding, Testing, Quality Assurance, Metrics, Reengineering, Code Change Monitor, Complexity Measurer, Reverse Engineering, Size Measurer, Source Code Translator, Structure Checker

**Features:**

**Languages Supported:** Ada, C, FORTRAN

**Configurations:** Sun

**Tool: CASE Designer**

Version: — Release Date: —  
Number Sold: — Single User Price: (Contact Vendor)  
Report Date: 1/04/93 Report Updated: 6/02/94

**Vendor: Oracle Corp. UK Ltd.**

POC: Technical Support  
Phone: 44-932-872-020 Fax: —  
E-mail: —  
Address: Oracle Park Bittams Lane, Guildford Rd.  
Chertsey, Surrey KT16 9RG, England

**Description:** A mouse-driven graphical workbench for systems analysts and designers, aids in defining and generating applications.

**Classification:** Reengineering, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** SQL

**Configurations:** RISC 6000/ULTRIX, VAX/ULTRIX, VAX/VMS

**Tool: Blue Four**

Version: — Release Date: —  
Number Sold: — Single User Price: (Contact Vendor)  
Report Date: 3/03/93 Report Updated: 6/02/94

**Vendor: OTG Systems, Inc.**

POC: Tammy Gillen  
Phone: 717-343-8200 Fax: 717-222-9103  
E-mail: —  
Address: Route 106, Suite 300, PO Box 239  
Clifford, PA 18413-0239

**Description:** Blue Four structures FORTRAN code. It replaces GOTOs with newer constructs and provides pretty printing.

**Classification:** Reengineering, Redocumenter, Restructurer

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** Cray, Cyber, DEC, HP/HP-UX, PC/MS-DOS, Prime, Sun/Sun OS, VAX/VMS

*Software Technology Support Center (STSC)*

**Tool: plusFORT**

Version: 4.0      Release Date: 4/01/92  
Number Sold: 1,000      Single User Price: \$2,200  
Report Date: 5/19/93      Report Updated: 5/23/94  
                                 Newsletter Available  
Evaluation copy available      Site license available

**Vendor: OTG Systems, Inc.**

POC: Tammy Gillen  
Phone: 717-343-8200      Fax: 717-222-9103  
E-mail:  
Address: Route 106, Suite 300, PO Box 239  
Clifford, PA 18413-0239

**Description:** plusFORT is a multipurpose suite of tools for analysing and improving FORTRAN programs.

**Classification:** Coding, Reengineering, Reformatter, Restructurer, Syntax & Semantics Analyzer, Redocumenter

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** PC/MS-DOS, UNIX/VMS

**Tool: SPAG**

Version: -      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 1/28/93      Report Updated: 5/23/94

**Vendor: OTG Systems, Inc.**

POC: Tammy Gillen  
Phone: 717-343-8200      Fax: 717-222-9103  
E-mail:  
Address: Route 106, Suite 300, PO Box 239  
Clifford, PA 18413-0239

**Description:** SPAG is a FORTRAN reconditioning tool. SPAG rejuvenates spaghetti code into structured FORTRAN. SPAG can be customized to support house style FORTRAN pretty printing.

**Classification:** Reengineering, Restructurer, Reverse Engineering

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** HP/UNIX, IBM, Prime, Sun/Sun OS, VAX/VMS

**Tool: Persistence**

Version: 2.3      Release Date: 11/01/94  
Number Sold: -      Single User Price: \$14,000+  
Report Date: 7/20/94      Report Updated: 10/31/94

**Vendor: Persistent Software**

POC: Technical Support  
Phone: 415-341-7733      Fax: 425-341-8432  
E-mail:  
Address: 1700 S Amphlett Blvd., Suite 250  
San Mateo, CA 94402

**Description:** Persistence is an automatic code generator to create object data interfaces. It simplifies the transition to object-oriented development by enabling object access to existing relational databases.

**Classification:** Coding, Reengineering, Database, Software Engineering Environment, Code Generator, Reverse Engineering

**Features:**

**Languages Supported:** C++, SQL

**Configurations:** HP-UX, Solaris2.1, Sun/Sun OS

*Appendix B: Product Sheets by Vendor Name*

**Tool: FORCE**

Version: 1.4                      Release Date: 10/10/93  
Number Sold: -                      Single User Price: \$130  
Report Date: 8/03/92              Report Updated: 7/01/94

Evaluation copy available              Site license available

**Description:** FORCE is a Fortran-to-C/C++ translator and analysis system. It emits C or C++, generates a global cross-reference, a metrics report, a calling hierarchy, and others.

**Classification:** Metrics, Reengineering, Reuse, Software Engineering Environment, Code Generator, Complexity Measurer, Cross Referencing Tool, Forward Engineering, Maintainability Analyzer, Reverse Engineering, Source Code Translator, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** UNIX/MS-DOS

**Vendor: Personyx**

POC: Linda Maloney  
Phone: 719-475-8781 Fax: -  
E-mail: 73007.502@compuserve.com  
Address: 314 E. San Rafael St.  
Colorado Springs, CO 80903-2406

**Tool: JOVIAL Analysis and Conversion Kit (JACK)**

Version: 3.3                      Release Date: 11/01/93  
Number Sold: 4                      Single User Price: \$18,000  
Report Date: 1/28/93              Report Updated: 7/01/94

Training available  
Evaluation copy available              Site license available

**Description:** JACK is a JOVIAL-to-Ada reengineering toolset. It translates JOVIAL J3/4 and J73 to Ada and to C; provides McCabe/Halstead metrics, a global cross-reference generator, a calling hierarchy analyzer, and a teamwork interface.

**Classification:** Design, Coding, Documentation, Quality Assurance, Metrics, Reengineering, Reuse, Software Engineering Environment, Complexity Measurer, Cross Referencing Tool, Reusable Components Identifier, Reverse Engineering, Size Measurer, Source Code Translator

**Features:** SLOC Actuals

**Languages Supported:** JOVIAL

**Configurations:** PC/MS-DOS, Sun/Sun OS

**Vendor: Personyx**

POC: Clancey Maloney  
Phone: 719-475-8781 Fax: -  
E-mail:  
Address: 314 E. San Rafael St.  
Colorado Springs, CO 80903-2406

**Tool: POET**

Version: 2.0                      Release Date:  
Number Sold: -                      Single User Price: \$500+  
Report Date: 11/09/93              Report Updated: 7/20/94

**Vendor: Poet Software Corp.**

POC: John Hutchinson  
Phone: 408-748-3403 Fax: 408-748-3415  
E-mail:  
Address: 4633 Old Ironsides Dr. Ste. 110  
Santa Clara, CA 95054

**Description:** POET is an object oriented database system (ODBMS), provides full database functionality to the C++ programming language.

**Classification:** Coding, Reengineering, Database, Reverse Engineering

**Features:**

**Languages Supported:** C++

**Configurations:** OS/2, Windows, PC/MS-DOS

*Software Technology Support Center (STSC)*

**Tool: ARRAE**

Version: 5.1  
Number Sold: -  
Report Date: 2/08/93  
Training available

Release Date: 1/01/93  
Single User Price: (Contact Vendor)  
Report Updated: 6/01/94  
Newsletter Available

**Vendor: Price Waterhouse Re-Engineering Center**

POC: Technical Support  
Phone: 800-825-1282 Fax: -  
E-mail:  
Address: 1410 N. Westshore Rd.  
Tampa, FL 33607

**Description:** ARRAE perform system-wide manipulation of objects from existing systems.

**Classification:** Requirements Trace, Testing, Reengineering, Database, Assertion Analyzer, Data Reengineering

**Features:**

**Languages Supported:** COBOL, DB2, IMS

**Configurations:** IBM/MVS

**Tool: RE/Cycle**

Version: -  
Number Sold: -  
Report Date: 3/17/93

Release Date:  
Single User Price: (Contact Vendor)  
Report Updated: 6/01/94

**Vendor: Price Waterhouse Re-Engineering Center**

POC: Technical Support  
Phone: 800-825-1282 Fax: -  
E-mail:  
Address: 1410 N. Westshore Rd.  
Tampa, FL 33607

**Description:** RE/Cycle assists user in migration to IBM's AD/Cycle and SAA environments. It coordinates methods and tools to take out and reuse value from existing systems. Price offers Reengineering services.

**Classification:** Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** Ada

**Configurations:** IBM

**Tool: SMARTgraph**

Version: -  
Number Sold: -  
Report Date: 3/18/93  
Training available

Release Date:  
Single User Price: (Contact Vendor)  
Report Updated: 6/01/94  
Site license available

**Vendor: ProCASE Corp.**

POC: Mark A. Schmidt  
Phone: 708-706-3710 Fax: 708-706-3712  
E-mail:  
Address: 425 N. Martingale Rd., Ste. 800  
Schaumburg, IL 60173

**Description:** SMARTgraph comprehension tool helps unpick a program's structure, while furnshing a view of the function calls located within the program. The graphs are usable for navigation through program source.

**Classification:** Documentation, Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** C

**Configurations:** DEC/UNIX, HP, IBM, Sun

*Appendix B: Product Sheets by Vendor Name*

**Tool: SMARTsystem**

Version: 4.0      Release Date: 8/01/94  
Number Sold: 1,200      Single User Price: \$2,995  
Report Date: 2/26/93      Report Updated: 8/10/94  
Training available

Site license available

**Vendor: ProCASE Corp.**

POC: Mark A. Schmidt  
Phone: 708-706-3710 Fax: 708-706-3712  
E-mail:  
Address: 425 N. Martingale Rd., Ste. 800  
Schaumburg, IL 60173

**Description:** SMARTsystem is a software reverse engineering environment which increases productivity with emphasis on such areas as comprehension, maintenance and software evolution. It's also check for over 300 syntax and semantics errors. It browser automatically locates error in the source code.

**Classification:** Coding, Testing, Documentation, Quality Assurance, Reengineering, Reuse, Software Engineering Environment, Complexity Measurer, Forward Engineering, Redocumenter, Reverse Engineering, Size Measurer, Syntax & Semantics Analyzer

**Features:** SLOC Actuals

**Languages Supported:** C, C++

**Configurations:** UNIX, Apollo/UNIX, DEC/UNIX, HP/HP-UX, HP/UNIX, IBM/AIX, MIPS, NCR, RISC 6000, Sun/Sun OS

**Tool: SYNTran**

Version:      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 7/06/92      Report Updated: 1/31/95

**Vendor: Progeni Systems, Inc.**

POC: Technical Support  
Phone: 818-956-0251 Fax: 818-956-6338  
E-mail:  
Address: 706 W. Broadway, Ste 203  
Glendale, CA 91204

**Description:** SYNTran builds the rules governing the input source and targeted output language. It is a universal code translator which accepts any language from any machine as input for conversion to any other target machine.

**Classification:** Reengineering, Retargeting, Structure Checker

**Features:**

**Languages Supported:** COBOL

**Configurations:**

**Tool: PROMULA.FORTRAN**

Version: -      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 10/05/94      Report Updated: 10/05/94

**Vendor: Promula Development Corp.**

POC: Technical Support  
Phone: 614-263-5512 Fax: 614-263-5573  
E-mail:  
Address: 3620 N. High St., Ste. 301  
Columbus, OH 43214

**Description:** PROMULA.FORTRAN is a FORTRAN to C translator. It adds value to code during translation: virtual memory logic, dynamic memory logic, references to external databases, and special treatment of characteristics peculiar to the source operating environment.

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** HP, IBM, Mac, PC/MS-DOS, Sun, UNIX, VAX/VMS

*Software Technology Support Center (STSC)*

**Tool: Paradigm Plus**

Version:                      Release Date:  
Number Sold: -              Single User Price: (Contact Vendor)  
Report Date: 12/02/91      Report Updated: 2/27/95

**Vendor: Protosoft, Inc.**

POC: Technical Support  
Phone: 713-480-3233 Fax: 713-480-6606  
E-mail:  
Address: 17629 El Camino Real, Ste 202  
Houston, TX 77058

**Description:** Paradigm Plus contains the necessary tools to allow the software development team to manage the porcess lifecycle for a given project. The tool spans the design phase with several methodologies, and has tools for code generation, reengineering and documentation. These capabilities approach the state of the art for high-end analysis tools, and they allow the product to compete effectively with the Visual Analysis Workbench from Visible Systems, Corp., Waltham Mass., and Rational Rose, Rational, Santa Clara, California.

**Classification:** Coding, Reengineering, Code Generator, Reverse Engineering, Text Editor

**Features:**

**Languages Supported:** C, C++

**Configurations:** OS/2, Solaris2.1, HP/HP-UX, IBM/AIX, PC/Windows, Sun/Sun OS

**Tool: Eagle**

Version: 1.0                      Release Date: 9/20/93  
Number Sold: -                  Single User Price: (Contact Vendor)  
Report Date: 8/18/93          Report Updated: 6/30/94  
Training available  
Evaluation copy available      Site license available

**Vendor: QED Software Inc.**

POC: Bob Evans  
Phone: 408-995-0270 Fax: 408-995-0271  
E-mail: qedsoft!rje@telebit.com  
Address: 343 South 14th St.  
San Jose, CA 95112

**Description:** Eagle provides facilities to deal with changing software at a project level. Is navigation and browsing facilities operate within an editing environment. It also provides the ability to interactively view files, function and data.

**Classification:** Coding, Testing, Documentation, Quality Assurance, Reengineering, Reuse, Software Engineering Environment, Redocumenter, Status Displayer, Structure Checker

**Features:**

**Languages Supported:** , C, FORTRAN

**Configurations:** C & Fortran on Windows 3.1, Windows/NT and UNIX

**Tool: AsmFlow Professional**

Version: 3.0                      Release Date: 7/01/93  
Number Sold: 5,000+          Single User Price: \$200  
Report Date: 1/28/93          Report Updated: 6/30/94

**Vendor: Quantasm Corp.**

POC: Mike Schmit  
Phone: 408-244-6826 Fax: 408-244-7268  
E-mail:  
Address: 19672 Stevens Creek Blvd., Ste 307  
Cupertino, CA 95014

**Description:** ASMFlow Professional provides assembly language source code analysis, flowcharting, tree diagrams, data Xref, and register analysis for; 80x86, 8051, z80, 8085, 68HC11, 6303, 6502, 68HC05, 1750A, 8096 and 680X0.

**Classification:** Documentation, Reengineering, Cross Referencing Tool, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** Assembler

**Configurations:** PC/MS-DOS

*Appendix B: Product Sheets by Vendor Name*

**Tool: Fortran Development Tools**

Version: 2.0      Release Date: 1/01/89  
Number Sold: –      Single User Price: \$149-\$800  
Report Date: 1/23/95      Report Updated: 1/23/95

Site license available

**Vendor: Quibus Enterprises, Inc.**

POC: Technical Support  
Phone: 408-244-6826 Fax: 408-244-7268  
E-mail:  
Address: 19672 Stevens Creek Blvd., Ste 307  
Cupertino, CA 95014

**Description:** Fortran Development Tools is a package of utilities for cleaning up Fortran source code and aiding in program development maintenance, and porting. Also, it produces listings with DOs and IEs graphically highlighted, extract routines from files, and support conditional compilation.

**Classification:** Coding, Reengineering, Reformatter, Restructurer, Source Code Translator

**Features:** Interactive set-up program

**Languages Supported:** FORTRAN

**Configurations:** OS/2, PC/MS-DOS, UNIX, VAX/VMS

**Tool: FORWARN**

Version: 3.0      Release Date: 8/01/89  
Number Sold: –      Single User Price: \$399-\$2000  
Report Date: 1/26/93      Report Updated: 7/01/94

Site license available

**Vendor: Quibus Enterprises, Inc.**

POC: Technical Support  
Phone: 408-244-6826 Fax: 408-244-7268  
E-mail:  
Address: 19672 Stevens Creek Blvd., Ste 307  
Cupertino, CA 95014

**Description:** FORWARN is a static analysis tool designed for FORTRAN programs. Using this product improves the reliability, documentation quality, and portability of FORTRAN systems. It furnishes detailed cross reference listings and calling-trees.

**Classification:** Coding, Documentation, Quality Assurance, Reengineering, Cross Referencing Tool, Reliability Analyzer, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** MS-DOS, PC/OS/2, UNIX, VAX/VMS

**Tool: ROCHADE**

Version: 2.0      Release Date:  
Number Sold: –      Single User Price: (Contact Vendor)  
Report Date: 2/27/95      Report Updated: 2/27/95

**Vendor: R & O The Repository Company**

POC: Technical Support  
Phone: 510-274-3830 Fax: 510-274-3834  
E-mail:  
Address: 1981 North Broadway, Suite 380  
Walnut Creek, CA 94596

**Description:** ROCHADE delivers to the marketplace one of the most technically advanced software engineering environment and repository available. It also offers a mature toolset capable of addressing the main business issue faced by most CIO's today: management of software development and maintenance process. Organizations now have the opportunity to start making their IT division work for their companies.

**Classification:** Reengineering, Software Engineering Environment, X AI, Library, Reverse Engineering

**Features:**

**Languages Supported:** C

**Configurations:** VM, VMS, MVS, UNIX/OS/2

*Software Technology Support Center (STSC)*

**Tool: Pastran**

Version: - Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 3/15/93 Report Updated: 7/27/94

**Vendor: R.R. Software, Inc.**

POC: Mark Glover  
Phone: 608-244-6436 Fax: -  
E-mail:  
Address: 2317 Intl. Lane, #212, PO Box 1512  
Madison, WI 53701-1512

**Description:** Pastran is a translator from Pascal to other languages (e.g. Pascal to Ada.)

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:** Pascal

**Configurations:** UNIX, PC/MS-DOS, PC/UNIX

**Tool: Rational Rose (Rose)**

Version: 2.5 Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 6/08/94 Report Updated: 10/18/94

**Vendor: Rational Software, Corp.**

POC: Dudley McBride  
Phone: 303-986-2006 Fax: 303-986-0205  
E-mail: dud@rational.com  
Address: 165 South Union Blvd., Ste. 604  
Lakewood, CO 80228

**Description:** The Rational Rose tool furnishes the user with an object-oriented analysis and design tool. Transition to object-oriented software development is simplified. It is easy to use and has an open architecture, class browsers, and a Motif interface.

**Classification:** Documentation, Reengineering, Reuse, Database, Code Generator, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** Ada, C++

**Configurations:** Windows, PC/OS/2, RISC 6000/UNIX, Sun/SPARC, Sun/Sun OS

**Tool: ROS/ADA**

Version: - Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 6/08/94 Report Updated: 10/31/94

**Vendor: Rational Software, Corp.**

POC: Technical Support  
Phone: 303-986-2006 Fax: 303-986-0205  
E-mail:  
Address: 165 South Union Blvd., Ste. 604  
Lakewood, CO 80228

**Description:** ROS/ADA allows you to reengineer and maintain Ada software. Insight gathers information about the code and displays both object-oriented module diagrams.

**Classification:** Coding, Documentation, Reengineering, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** Ada

**Configurations:** RISC 6000, Sun



*Appendix B: Product Sheets by Vendor Name*

**Tool: Software Document Automation (SoDA)**

Version:                      Release Date: 1/01/95  
Number Sold: -              Single User Price: (Contact Vendor)  
Report Date: 6/08/94      Report Updated: 1/04/95  
Training available              Newsletter Available

**Vendor: Rational Software, Corp.**

POC: Technical Support  
Phone: 303-986-2006 Fax: 303-986-0205  
E-mail:  
Address: 165 South Union Blvd., Ste. 604  
Lakewood, CO 80228

**Description:** SoDA automates the production of software documentation. It can be customized to support any documentation standard based on ISO 9000, IEEE, and DOD 2167A. It can extract data from a variety of software-engineering tools.

**Classification:** Documentation, Reengineering, Redocumenter

**Features:**

**Languages Supported:**

**Configurations:** UNIX, HP/HP-UX, Sun/Sun OS, VAX/VMS

**Tool: VADScross**

Version:                      Release Date:  
Number Sold: -              Single User Price: (Contact Vendor)  
Report Date: 6/08/94      Report Updated: 6/08/94  
Training available  
Evaluation copy available

**Vendor: Rational Software, Corp.**

POC: Dudley McBride  
Phone: 303-986-2006 Fax: 303-986-0205  
E-mail: dud@rational.com  
Address: 165 South Union Blvd., Ste. 604  
Lakewood, CO 80228

**Description:** This tool makes object code that is small in memory size and quick in execution speed.

**Classification:** Design, Coding, Testing, Software Engineering Environment, Compiler, Debugger, Disassembler, Downloader, Emulator, Linker, Optimizer, Recompiler, Retargeting

**Features:**

**Languages Supported:** Ada

**Configurations:** DEC RISC, HP, IBM, RISC 6000, Sun/SPARC, Sun/Sun OS, VAX/ULTRIX

**Tool: VADSmp**

Version:                      Release Date:  
Number Sold: -              Single User Price: (Contact Vendor)  
Report Date: 6/08/94      Report Updated: 6/08/94  
Training available  
Evaluation copy available

**Vendor: Rational Software, Corp.**

POC: Dudley McBride  
Phone: 303-986-2006 Fax: 303-986-0205  
E-mail: dud@rational.com  
Address: 165 South Union Blvd., Ste. 604  
Lakewood, CO 80228

**Description:** VADSmp, is an integrated programming environment that simplifies the development of multi-processing applications.

**Classification:** Design, Coding, Testing, Reengineering, Software Engineering Environment, Compiler, Disassembler, Linker, Optimizer, Recompiler, Retargeting

**Features:**

**Languages Supported:** Ada

**Configurations:** SGraphics

*Software Technology Support Center (STSC)*

**Tool: VADSelf**

Version: 6.1      Release Date: 1/01/85  
Number Sold:      Single User Price: \$  
Report Date: 6/08/94      Report Updated: 6/08/94

**Vendor: Rational Software, Corp.**

POC: Dudley McBride  
Phone: 303-986-2006 Fax: 303-986-0205  
E-mail: dud@rational.com  
Address: 165 South Union Blvd., Ste. 604  
Lakewood, CO 80228

**Description:** VADS, is an Ada development tool set. It provides a toolset for self-targeted evaluations. VADSelf interfaces with other applications, such as, databases, windowing systems and program management tools.

**Classification:** Design, Coding, Testing, Reengineering, Software Engineering Environment, Compiler, Debugger, Disassembler, Emulator, Optimizer, Recompiler, Retargeting

**Features:**

**Languages Supported:** Ada

**Configurations:** Windows, AT&T, DEC RISC, HP, PC/MS-DOS, RISC 6000, SGraphics, Sun/SPARC, Sun/Sun OS, VAX/ULTRIX, VAX/VMS

**Tool: VADSWorks**

Version:      Release Date: 1/01/89  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 6/08/94      Report Updated: 7/07/94  
Training available  
Evaluation copy available

**Vendor: Rational Software, Corp.**

POC: Ray Thompson  
Phone: 703-318-5800 Fax: 703-378-7600  
E-mail:  
Address: 205 Van Burn St.  
Herndon, VA 22070

**Description:** VADSWorks combines the power of VADS with VxWorks real-time networking OS to provide a cross development product to eliminate problems in traditional environments (lack of networking, debugging and error trapping).

**Classification:** Design, Coding, Testing, Reengineering, Software Engineering Environment, Compiler, Cross Assembler, Debugger, Disassembler, Downloader, Emulator, Linker, Retargeting, Run-Time Error Checker, Status Displayer

**Features:**

**Languages Supported:** Ada

**Configurations:** HP-9000/HP-UX, Sun/Sun OS, VAX/ULTRIX, VAX/UNIX, VAX/VMS

**Tool: Refine/Ada**

Version: 1.1      Release Date: 10/01/91  
Number Sold: 100      Single User Price: \$5900  
Report Date: 3/03/93      Report Updated: 3/23/95  
Training available  
Evaluation copy available

**Vendor: Reasoning Systems, Inc.**

POC: Paul H. Davis  
Phone: 415-494-6201 Fax: 415-494-8053  
E-mail: sales@reasoning.com  
Address: 3260 Hillview Ave.  
Palo Alto, CA 94304

**Description:** Refine/Ada is an interactive, graphical reengineering tool that lets programmers assess, redocument, quality-check, and export existing Ada applications to CASE tools such as Software through Pictures.

**Classification:** Coding, Documentation, Quality Assurance, Reengineering, Reuse, Auditor, Redocumenter, Retargeting, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** Ada

**Configurations:** HP, IBM/AIX, RISC 6000, Sun/Sun OS

*Appendix B: Product Sheets by Vendor Name*

**Tool: Refine/C**

Version: 1.1a      Release Date: 3/01/94  
Number Sold: 200      Single User Price: \$5900  
Report Date: 3/03/93      Report Updated: 3/23/95  
Training available  
Evaluation copy available

**Vendor: Reasoning Systems, Inc.**

POC: Paul H. Davis  
Phone: 415-494-6201 Fax: 415-494-8053  
E-mail: sales@reasoning.com  
Address: 3260 Hillview Ave.  
Palo Alto, CA 94304

**Description:** Refine/C is an interactive, graphical reengineering tool that lets programmers assess, redocument, quality-check, and convert existing C applications to CASE tools such as Software through Pictures.

**Classification:** Coding, Documentation, Quality Assurance, Reengineering, Reuse, Auditor, Redocumenter, Retargeting, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** C

**Configurations:** HP, IBM/AIX, RISC 6000, Sun/Sun OS

**Tool: Refine/Cobol**

Version: 1.0      Release Date: 11/01/92  
Number Sold: —      Single User Price: \$11,900  
Report Date: 2/22/93      Report Updated: 3/23/95  
Training available  
Evaluation copy available

**Vendor: Reasoning Systems, Inc.**

POC: Paul H. Davis  
Phone: 415-494-6201 Fax: 415-494-8053  
E-mail: sales@reasoning.com  
Address: 3260 Hillview Ave.  
Palo Alto, CA 94304

**Description:** Refine/Cobol is an interactive, graphical reengineering tool that lets programmers analyze, redocument, and convert existing COBOL applications. Its features include modularizing large COBOL applications into manageable programs, creating calls to module.

**Classification:** Coding, Documentation, Quality Assurance, Reengineering, Reuse, Auditor, Redocumenter, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** COBOL

**Configurations:** HP, IBM/AIX, RISC 6000, Sun/Sun OS

**Tool: Refine/Fortran**

Version: 1.3      Release Date: 5/01/94  
Number Sold: 150      Single User Price: \$5900  
Report Date: 2/22/93      Report Updated: 3/23/95  
Training available  
Evaluation copy available

**Vendor: Reasoning Systems, Inc.**

POC: Paul H. Davis  
Phone: 415-494-6201 Fax: 415-494-8053  
E-mail: sales@reasoning.com  
Address: 3260 Hillview Ave.  
Palo Alto, CA 94304

**Description:** Refine/Fortran is an interactive, graphical reengineering tool that lets programmers assess, redocument, quality-check, and convert existing FORTRAN applications.

**Classification:** Coding, Documentation, Quality Assurance, Reengineering, Reuse, Auditor, Redocumenter, Reverse Engineering, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** HP, IBM/AIX, Sun/Sun OS

*Software Technology Support Center (STSC)*

**Tool: Software Refinery**

Version: 4.0      Release Date: 9/01/94  
Number Sold: 300      Single User Price: \$19,600+  
Report Date: 2/04/93      Report Updated: 10/31/94  
Training available  
Evaluation copy available

**Vendor: Reasoning Systems, Inc.**

POC: Paul H. Davis  
Phone: 415-494-6201      Fax: 415-494-8053  
E-mail: sales@reasoning.com  
Address: 3260 Hillview Ave.  
Palo Alto, CA 94304

**Description:** Software Refinery is a family of products for building automated software processing tools that analyzes and redocuments old code, converts to new languages, checks code against programming standards, and generates test cases from source code.

**Classification:** Coding, Testing, Documentation, Reengineering, Reuse, Auditor, Forward Engineering, Redocumenter, Restructurer, Reverse Engineering, Source Code Translator, Test Data Generator

**Features:**

**Languages Supported:** Ada, BAL, C, COBOL, FORTRAN, JCL, Natural, SQL

**Configurations:** HP, IBM/AIX, Sun/Sun OS

**Tool: Re/Toolkit**

Version: -      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Fax:  
Report Date: 3/17/93      Report Updated:

**Vendor: Reliance Consulting, Inc.**

POC: Technical Support  
Phone: 404-371-9663 X200  
E-mail:  
Address: 331 Ponce de Leon Place  
Decatur, GA 30030-5121

**Description:** This tool allows the user to re-engineer COBOL and CICS source code for use with KnowledgeWare's ADW or IEW. The tool facilitates the creation of Structure Charts, Module Action Diagrams, and CICS Screen Maps.

**Classification:** Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** CICS, COBOL

**Configurations:** PC

**Tool: Architecture Design & Assessment System (Adas)**

Version: -      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 4/08/93      Report Updated: 7/06/94

**Vendor: Research Triangle Institute**

POC: Technical Support  
Phone: 919-541-7436      Fax:  
E-mail:  
Address: P.O. Box 12194  
Research Triangle Park, NC 27709-2194

**Description:** ADAS is an integrated set of computer aided engineering tools that support the design and analysis of electronic systems.

ADAS captures software design at the data flow level and hardware designs at the block diagram level.

**Classification:** Coding, Reengineering, Reverse Engineering, Simulator, Structure Checker

**Features:**

**Languages Supported:** -

**Configurations:** Apollo, PC/AIX, Sun/Sun OS, VAXstation/ULTRIX, VAXstation/VMS

*Appendix B: Product Sheets by Vendor Name*

**Tool: Auto-G Case Toolset, AutoAda Code Gen.**

Version: 3.6      Release Date: 10/01/92  
Number Sold: 30+      Single User Price: \$20,000  
Report Date: 1/04/93      Report Updated: 10/18/94  
Training available  
Evaluation copy available

**Vendor: RJO Enterprises**

POC: Technical Support  
Phone: 301-731-2426 Fax: 301-731-6829  
E-mail:  
Address: 4640 Forbes Blvd.  
Lanham, MD 20706

**Description:** The Auto-G Ada Translator translates G&T Design Language (G&TDL) to Ada. It is a complete lifecycle computer aided system engineering toolset.

**Classification:** Coding, Reengineering, Code Generator, Source Code Translator

**Features:**

**Languages Supported:** G&TDL

**Configurations:** ULTRIX, DECstation/UNIX, HP/HP-UX, Sun/Sun OS, VAX/VMS

**Tool: DAISys**

Version: 1.4      Release Date: 7/01/93  
Number Sold: 27 sites      Single User Price: \$18,000  
Report Date: 1/05/93      Report Updated: 9/07/94  
Training available  
Newsletter Available  
Site license available

**Vendor: S-CUBED, Inc.**

POC: John A. Rade  
Phone: 203-323-0760 Fax: 203-323-2007  
E-mail:  
Address: 1010 Washington Blvd.  
Stamford, CT 06901

**Description:** DAISys is PC-based, application development tool that assists developers during the full development cycle. It uses an expert system and object-oriented techniques to transform business requirements in ordinary business terms to logical and physical designs. Produces code for mainframe and AS400 based non-programmable terminal systems.

**Classification:** System Simulation, Requirements Trace, Design, Coding, Requirements Analysis, Testing, Documentation, Project Management, Configuration Management, Quality Assurance, Reengineering, Reuse, Database, Software Engineering Environment, X Communications, Case-Based Reasoning, Code Generator, Commenter, Cross Referencing Tool, Forward Engineering, Frame-Based Shell, Reusable Components Identifier

**Features:**

**Languages Supported:** CICS, COBOL, DB2, VSAM

**Configurations:** PC/MS-DOS, PC/OS/2, PC/Window 3.0

**Tool: SUPRe/DAISys**

Version: 1.4      Release Date: 8/01/93  
Number Sold: 32 sites      Single User Price: \$18,000  
Report Date: 4/07/93      Report Updated: 7/07/94  
Training available  
Newsletter Available  
Site license available

**Vendor: S-CUBED, Inc.**

POC: John A. Rade  
Phone: 203-323-0760 Fax: 203-323-2007  
E-mail:  
Address: 1010 Washington Blvd.  
Stamford, CT 06901

**Description:** The SUPRe/DAISys product allows the user to generate code from the same set of requirements driven specifications, provide a complete functional simulation of the system before code is generated, and much more. It uses an Expert System and OO techniques.

**Classification:** System Simulation, Requirements Trace, Design, Coding, Requirements Analysis, Testing, Documentation, Project Management, Configuration Management, Quality Assurance, Reengineering, Reuse, Database, Software Engineering Environment, AI, Case-Based Reasoning, Commenter, Cross Referencing Tool, Forward Engineering, Frame-Based Shell, Reusable Components Identifier

**Features:**

**Languages Supported:** C, COBOL, SQL

**Configurations:** UNIX, PC/MS-DOS, PC/OS/2, PC/Window 3.0

*Software Technology Support Center (STSC)*

**Tool: ASURE**

Version: 1.4      Release Date: 8/01/93  
Number Sold: 32 sites      Single User Price: \$18,000  
Report Date: 1/05/95      Report Updated: 1/05/95

**Vendor: SAIC-Strategic Business Division**

POC: Technical Support  
Phone: 703-556-7249 Fax:  
E-mail:  
Address: 1710 Goodridge Drive M/S 2-3-1  
McLean, VA 22102

**Description:** Analytical System for Uncertainty and Risk Estimation (ASURE) provides a set of tools and methods that can be tailored to decision-making problems.

**Classification:** Reengineering, Business Process Reengineering

**Features:**

**Languages Supported:**

**Configurations:** PC

**Tool: PRODOC re/NuSys Workbench**

Version: 94.3      Release Date: 11/01/94  
Number Sold: -      Single User Price: \$2,400+  
Report Date: 4/07/93      Report Updated: 10/31/94  
Training available      Newsletter Available

**Vendor: SCANDURA--Software Conversion.**

POC: Alice B. Scandura  
Phone: 610-664-1207 Fax: 610-664-7276  
E-mail: jms@pobox.upenn.edu  
Address: 822 Montgomery Ave. Ste. 317  
Narberth, PA 19072

**Description:** PRODOC re/NuSys Workbench is a fully integrated, full lifecycle design, development, and maintenance system for several Languages. PRODOC is also a translator (C-Ada, Cobol-Ada, Cobol-C, Fortran-Ada, Fortran-C, Pascal-Ada, and Pascal-C).

**Classification:** System Simulation, Requirements Trace, Design, Coding, Requirements Analysis, Documentation, Quality Assurance, Metrics, Reengineering, Reuse, Database, Software Engineering Environment, Complexity Measurer, Coverage/Frequency Analyzer, Cross Referencing Tool, Forward Engineering, Redocumenter, Restructurer, Reusable Components Identifier, Reverse Engineering, Simulator, Source Code Translator, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** Ada, C, C++, COBOL, FORTRAN, Pascal

**Configurations:** UNIX, DEC/OSF/1, IBM/AIX, PC/MS-DOS, PC/OS/2, Sun/Solaris2.1, Sun/SPARC, Sun/Sun OS

**Tool: REEngineering Environment and Workbench (REENEW) Vendor: Science Applications Int'l Corp.**

Version:      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
260      Fax: 407-381-8436  
Report Date: 1/03/94      Report Updated: 7/06/94

POC: David A. Workman  
Phone: 407-282-6700 ext  
E-mail: workmand@orlva.saic.com  
Address: 3045 Technology Parkway  
Orlando, FL 32826-3299

**Description:** REENEW is a C-based CASE environment designed to support the activities of reverse and forward engineering of C programs.

**Classification:** Design, Coding, Reengineering, Reuse, Software Engineering Environment, Code Generator, Cross Referencing Tool, Forward Engineering, Language Sensitive Editor, Redocumenter, Reformatter, Reverse Engineering, Source Code Translator, Structure Checker

**Features:**

**Languages Supported:** C

**Configurations:** IBM/AIX, PC/MS-DOS

*Appendix B: Product Sheets by Vendor Name*

**Tool: XperCASE**

Version: 4.0  
Number Sold: —  
Report Date: 2/27/95

Release Date:  
Single User Price: (Contact Vendor)  
Report Updated: 2/27/95

**Vendor: Siemens Aktiengesellschaft Österreich**  
POC: Technical Support  
Phone: +43 1 60 171-6522 Fax: +43 1 60 171-6502  
E-mail:  
Address: PSE 413 Gudrunstraße 11, A-1100  
Vienna, Austria

**Description:** XperCASE makes use of the program code as it is in operation. Specifications and documentations are hardly ever up to date. It comes in with its reengineering abilities to reconstruct old software and to improve its quality in a simple way. Thus, it becomes clear that even large quantities of old software are manageable. The XperCASE family includes: XperCASE(C++), XperCASE(SPX), XperCASE(COB), XPERCASE(DS)

**Classification:** Coding, Reengineering, Code Generator, Data Reengineering, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** All

**Configurations:** PC/Windows

**Tool: SmartStar**

Version: 6.1  
Number Sold: 1800+  
Report Date: 1/26/93

Release Date: 7/23/93  
Single User Price: \$1,500  
Report Updated: 5/24/94

Training available  
Evaluation copy available

Newsletter Available

**Vendor: SmartStar Corp.**  
POC: Ed Adams  
Phone: 800-677-7827 Fax: 805-685-8000  
E-mail:  
Address: 120 Cremona Dr.  
Goleta, CA 93117

**Description:** Application development on VAX/VMS platforms to multiple DBMS. Minimum code solution using rapid application development. Smartstar offers Re-engineering service.

**Classification:** Reengineering, Software Engineering Environment, Restructurer

**Features:**

**Languages Supported:** C, COBOL, FORTRAN

**Configurations:** RISC 6000/ULTRIX, SCO/UNIX, Sun/Sun OS, VAX/VMS

**Tool: Predict**

Version:  
Number Sold: —  
Report Date: 7/06/92

Release Date:  
Single User Price: (Contact Vendor)  
Report Updated: 1/31/95

**Vendor: Software AG of North America, Inc.**  
POC: Technical Support  
Phone: 800-843-9534 Fax: —  
E-mail:  
Address: 11190 Sunrise Valley Dr.  
Reston, VA 22091

**Description:** PREDICT is an online active data dictionary system that provides integrated operational support for information resource management, software management, and central documentation.

**Classification:** Quality Assurance, Reengineering, Reuse, Database, Forward Engineering, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** Assembler, COBOL, DB2, FORTRAN, PL/1

**Configurations:** OS/2, IBM/MS-DOS

*Software Technology Support Center (STSC)*

**Tool: C-CALL**

Version: 5.1      Release Date: 11/01/93  
Number Sold: 5,000      Single User Price: \$69  
Report Date: 4/07/93      Report Updated: 5/24/94

Evaluation copy available      Site license available

**Vendor: Software Blacksmiths, Inc.**

POC: Laura Searle  
Phone: 905-858-4466      Fax: 905-858-4466  
E-mail:  
Address: 6064 Saint Ives Way

Mississauga, ON L5N-4M1 Canada

**Description:** C-Call analyzes and documents the caller/called function hierarchy of C and C++ programs. It produces a graphic tree diagram and/or function cross-reference tables, and a function-versus-files table of content. Part of the C-DOC tool set.

**Classification:** Coding, Documentation, Reengineering, Cross Referencing Tool, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** C, C++

**Configurations:** PC/MS-DOS, PC/OS/2

**Tool: C-DOC**

Version: 5.1      Release Date: 11/01/93  
Number Sold: 5,000      Single User Price: \$199-\$299  
Report Date: 3/03/93      Report Updated: 6/30/94

Evaluation copy available      Site license available

**Vendor: Software Blacksmiths, Inc.**

POC: Laura Searle  
Phone: 905-858-4466      Fax: 905-858-4466  
E-mail:  
Address: 6064 Saint Ives Way

Mississauga, ON L5N-4M1 Canada

**Description:** C-DOC is a set of tools that analyze and document C and C++ programs. It produces clear documentation in text files, and restructures code including insertion of self-documentation comment blocks. Requires no source code changes. Handles up to 10K lines.

**Classification:** Coding, Documentation, Quality Assurance, Metrics, Reengineering, Complexity Measurer, Cross Referencing Tool, Defect/Change Tracker, Redocumenter, Restructurer, Size Measurer, Structure Checker

**Features:** SLOC Actuals

**Languages Supported:** C, C++

**Configurations:** PC/MS-DOS, PC/OS/2

**Tool: C-LIST**

Version: 4.2      Release Date: 1/01/92  
Number Sold: 5,000+      Single User Price: \$49  
Report Date: 4/07/93      Report Updated: 5/24/94

Evaluation copy available      Site license available

**Vendor: Software Blacksmiths, Inc.**

POC: Laura Searle  
Phone: 905-858-4466      Fax: 905-858-4466  
E-mail:  
Address: 6064 Saint Ives Way

Mississauga, ON L5N-4M1 Canada

**Description:** C-LIST lists a program with optional line numbers and page numbers/titles, and adds action-diagrams to highlight the logic control flow. It reformats source code into user selectable standardized formats. Part of the C-DOC tool suite.

**Classification:** Coding, Documentation, Reengineering, Reformatter, Restructurer, Reverse Engineering, Redocumenter

**Features:**

**Languages Supported:** C, C++

**Configurations:** PC/MS-DOS, PC/OS/2



*Appendix B: Product Sheets by Vendor Name*

**Tool: DecisionVision 1 (DV1)**

Version: 2.2      Release Date: 12/01/93  
Number Sold: —      Single User Price: (Contact Vendor)  
Report Date: 4/01/94      Report Updated: 10/18/94

**Vendor: Software Business Management, Inc.**

POC: Technical Support  
Phone: 508-692-4145 Fax: 508-692-7151  
E-mail:  
Address: 234 Littleton Rd., Ste. 2E  
Westford, MA 01886

**Description:** DecisionVision 1 (DV1) collects and reports measurement information for managing the quality, cost, and schedules of software development projects. It captures code statistics at preset intervals for calculating, graphing and reporting volatility (code changes), reliability and complexity information.

**Classification:** Coding, Testing, Quality Assurance, Metrics, Reengineering, Complexity Measurer, Defect/Change Tracker, Reliability Analyzer, Reverse Engineering, Size Measurer, Structure Checker

**Features:** Automatic Data Collection, SLOC Actuals

**Languages Supported:** Ada, C, COBOL, FORTRAN

**Configurations:** ULTRIX, DEC, IBM/AIX, Sun/Sun OS

**Tool: Ada9X Transition Aid**

Version:      Release Date:  
Number Sold: —      Single User Price: (Contact Vendor)  
Report Date: 2/27/95      Report Updated: 2/27/95

**Vendor: Software Compositions**

POC: Technical Support  
Phone: 407-952-0430 Fax: 407-952-7716  
E-mail:  
Address: P.O. Box 510477  
Melbourne Beach, FL 32951

**Description:** Ada9X Transition Aid was developed specifically to address the needs of projects planning to convert existing Ada 83 software for use in an Ada 9X environment. The Ada9X Transition Aid finds opportunities to replace Ada 83 code with features appropriate to Ada 9X.

**Classification:** Testing, Reengineering, Compiler, Source Code Translator

**Features:**

**Languages Supported:** Ada

**Configurations:** MicroVAX/MicroVMS

**Tool: Re-engineering MENTOR**

Version:      Release Date:  
Number Sold: —      Single User Price: (Contact Vendor)  
Report Date: 2/27/95      Report Updated: 2/27/95

**Vendor: Software Compositions**

POC: Technical Support  
Phone: 407-952-0430 Fax: 407-952-7716  
E-mail:  
Address: P.O. Box 510477  
Melbourne Beach, FL 32951

**Description:** The Re-engineering MENTOR improves quality of Ada code produced by programming organizations. The tool not only points out better ways to code Ada, it can automatically implement the appropriate changes, keeping the unit interfaces consistent.

**Classification:** Requirements Analysis, Reengineering, Data Reducer & Analyzer, Functional Simulator, Reusable Components Identifier, Reverse Engineering

**Features:**

**Languages Supported:** Ada

**Configurations:** VAX/VMS

*Software Technology Support Center (STSC)*

**Tool: COBOL Analyst**

Version: 2.0      Release Date: 12/15/93  
Number Sold: 1,000      Single User Price: \$2,500  
Report Date: 2/17/93      Report Updated: 6/30/94  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Software Eng. & Enhancement Center, Inc.**

POC: Adam D. Young  
Phone: 714-337-3928 Fax: -  
E-mail:  
Address: 970 Crest Estates Dr., P.O. Box 152  
Crest Park, CA 92326

**Description:** COBOL Analyst/CICS is a static analysis tool for analyzing mainframe COBOL CICS applications on a PC. It runs under MS Windows or OS/2 2.0. It provides diagrams automatically for system level program control flow, program structure charts, DBD hierarchy.

**Classification:** Coding, Documentation, Quality Assurance, Reengineering, Reuse, Auditor, Complexity Measurer, Cross Referencing Tool, Data Name Rationalizer, Redocumenter, Reverse Engineering, Size Measurer, Structure Checker, Syntax & Semantics Analyzer

**Features:** Exports design-level objects, SLOC Actuals

**Languages Supported:** CICS, COBOL, DB2, IMS

**Configurations:** PC/OS/2, PC/Windows

**Tool: dbLOADER**

Version: 1.2      Release Date: 1/01/94  
Number Sold: 50+      Single User Price: \$2,000+  
Report Date: 2/17/93      Report Updated: 10/20/94  
Training available  
Evaluation copy available      Site license available

**Vendor: Software Interfaces, Inc.**

POC: Rahul Mehta  
Phone: 713-492-0707 Fax: 713-492-0725  
E-mail:  
Address: 1400 Broadfield, Ste. 660, Pk 10  
Houston, TX 77084

**Description:** dbLOADER loads data into, or transfers data between, INFORMIX, INGRES, ORACLE, Rdb/VMS, SYBASE, and SUPRA databases or converts files from one format to another.

**Classification:** Testing, Reengineering, Database, Data Extractor, Data Reengineering

**Features:**

**Languages Supported:** DBMS

**Configurations:** DEC/ULTRIX, HP, Mac, PC, RISC 6000, Sun, VAX/VMS

**Tool: SQLASSIST**

Version: 4.3      Release Date: 9/01/94  
Number Sold: 1,000+      Single User Price: \$Per CPU 2K-20K  
Report Date: 2/17/93      Report Updated: 10/31/94  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Software Interfaces, Inc.**

POC: Rahul Mehta  
Phone: 713-492-0707 Fax: 713-492-0725  
E-mail:  
Address: 1400 Broadfield, Ste. 660, Pk 10  
Houston, TX 77084

**Description:** SQLASSIST allows all levels of users to build ad hoc queries, view query data, create true-columnar or matrix reports, and convert database data to other file formats including RS1, SAS, Lotus, and MASS 11.

**Classification:** Coding, Testing, Reengineering, Database, Data Extractor, Data Reengineering, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** DBMS

**Configurations:** DEC/ULTRIX, HP, Mac, PC, RISC 6000, Sun, VAX/VMS

*Appendix B: Product Sheets by Vendor Name*

**Tool: Aide-De-Camp (ADC)**

Version: 7.23.6      Release Date: 9/01/94  
Number Sold: 1,900      Single User Price: (Contact Vendor)  
Report Date: 1/04/93      Report Updated: 10/18/94  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Software Maint. & Development Sys., Inc.**

POC: Susan R. Paquet  
Phone: 508-369-7398      Fax: 508-369-8272  
E-mail:  
Address: 200 Baker Ave., Suite 300  
Concord, MA 01742

**Description:** Aide-De-Camp is a software management system which provides comprehensive configuration and release management with a systematic approach to controlling change. It is a case tool designed to control change during the software development lifecycle.

**Classification:** Configuration Management, Software Engineering Environment, Reverse Engineering

**Features:**

**Languages Supported:** C

**Configurations:** Primos, PC/UNIX, VAX/VMS

**Tool: Software One Exchange**

Version: 1.7C      Release Date:  
Number Sold: 35      Single User Price: \$20K  
Report Date: 2/04/93      Report Updated: 7/06/94  
Training available  
Site license available

**Vendor: Software One, Ltd.**

POC: Kay Paine  
Phone: 508-486-8922      Fax: -  
E-mail:  
Address: Kay Paine Assoc 2 Lake Warren Dr.  
Littleton, MA 01460

**Description:** Software One Exchange is a linker interface between 3rd party upper CASE tools; Repositories/Data dictionaries; and application generators. Input information is decoded into a generic format, validated, then encoded for the target environment.

**Classification:** Design, Reengineering, Retargeting, Structure Checker, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** C

**Configurations:** OS/2, IBM, PC/MS-DOS, UNIX

**Tool: EPOS**

Version: 7.0.3      Release Date: 4/01/92  
Number Sold: 6000      Single User Price: \$DM 30.800  
Report Date: 1/07/93      Report Updated: 5/16/94  
Training available      Newsletter Available  
Site license available

**Vendor: Software Products & Services, Inc.**

POC: Dr. Manfred Popall  
Phone: 4989-613040      Fax: 4989-61304294  
E-mail:  
Address: Kolpingring 18a  
Oberhaching, D-8024 Germany

**Description:** EPOS (Engineering and Project Management Oriented Support) is a fully integrated software development support package designed for requirements engineering, preliminary and detailed software and hardware design, implementation, long-term maintenance, etc.

**Classification:** Requirements Trace, Requirements Analysis, Documentation, Project Management, Metrics, Reengineering, Forward Engineering, Redocumenter, Reverse Engineering

**Features:**

**Languages Supported:** Ada, C, FORTRAN, Pascal

**Configurations:** DEC/VMS, HP/HP-UX, PC/MS-DOS, Sun/OS/2, VAX/VMS

*Software Technology Support Center (STSC)*

**Tool: PC DICTIONARY**

Version:                      Release Date:  
Number Sold:    -              Single User Price: \$4995 +  
Report Date: 1/30/95        Report Updated: 1/30/95

**Vendor: Software Solutions, Inc.**

POC: Technical Support  
Phone: 703-671-0700 Fax: 703-671-8938  
E-mail:  
Address: 1500 N. Beauregard Street, Suite 210  
Alexandria, VA 22311

**Description:** PC DICTIONARY's schema is completely configurable. You can create any entity types and attribute types. It gives ability when importing from diverse sources, to automatically create unique names. It copys, merges, exports, and imports all the facilities needed for staging data.

**Classification:** Coding, Reengineering, Code Generator, Forward Engineering, Redocumenter, Reverse Engineering

**Features:**

**Languages Supported:** DB2

**Configurations:** PC/MS-DOS

**Tool: Ada Design and Documentation Language (ADADL)**

Version:                      Release Date:  
Number Sold:    -              Single User Price: \$5,000-\$10,000  
Report Date: 6/28/93        Report Updated: 6/30/94  
Training available  
Evaluation copy available      Site license available

**Vendor: Software Systems Design, Inc.**

POC: Dr. Thomas S. Radi  
Phone: 909-625-6147 Fax: 909-626-9667  
E-mail:  
Address: 3627 Padua Ave.  
Claremont, CA 91711

**Description:** ADADL is an Ada-based PDL that satisfies DoD Directive 3405.2 requirements for a compilable Ada/PDL. The ADADL processor is both a design tool and a reverse engineering tool for Ada programs. ADADL analyzes both the pseudocode and actual executable Ada code to detect logic errors and to produce a "pretty printer" output report designed to simplify understanding the design. Users can create up to 10 customized "project management" reports to identify such things as requirements traceability, dates of completion of design reviews, coding or testing. The pseudocode design and executable code are analyzed to calculate the McCabe complexity metrics for each program unit. ADADL works in conjunction with the DOCGEN tool to automatically produce Mil/DoD standard documentation. It also works with the TestGen tool to assist in design unit test strategies.

**Classification:** Requirements Trace, Design, Coding, Requirements Analysis, Reengineering, Complexity Measurer, Cross Referencing Tool, Reformatter, Reverse Engineering, Test Execution Manager, Test Planner, Redocumenter

**Features:**

**Languages Supported:** Ada

**Configurations:** DG, HP/VMS, PC/MS-DOS, UNIX, UNIX/VMS, VAX/VMS

**Tool: Ada/ADADL Requirements Interface System (ARIS)**

Version: 1.2                      Release Date: 3/01/92  
Number Sold: 20              Single User Price: \$8,500  
Report Date: 2/04/93        Report Updated: 10/17/94

**Vendor: Software Systems Design, Inc.**

POC: Dr. Thomas S. Radi  
Phone: 909-625-6147 Fax: 909-626-9667  
E-mail:  
Address: 3627 Padua Ave.  
Claremont, CA 91711

**Description:** ARIS is a CASE tool interface which automatically produces Ada code by representing a Top Level Ada design, and by analyzing the software requirements in a Structured Analysis database. It produces Ada packages containing the Top Level data structure.

**Classification:** Design, Coding, Software Engineering Environment, Forward Engineering

**Features:**

**Languages Supported:** Ada

**Configurations:** DG, PC/MS-DOS, RISC 6000, Sun/VMS, UNIX/VMS, VAX/VMS

*Appendix B: Product Sheets by Vendor Name*

**Tool: C Design and Documentation Language (CDADL)**

Version: 1.2      Release Date: 4/01/92  
Number Sold: 6+      Single User Price: (Contact Vendor)  
Report Date: 2/04/93      Report Updated: 7/06/94

**Vendor: Software Systems Design, Inc.**

POC: Dr. Thomas S. Radi  
Phone: 909-625-6147 Fax: 909-626-9667  
E-mail:  
Address: 3627 Padua Ave.  
Claremont, CA 91711

Evaluation copy available      Site license available

**Description:** CDADL helps programming mainly by improving design quality and designer productivity. It analyzes the pseudo-code and executable C code to find errors and to make a printed output report which simplifies the design.

**Classification:** Design, Coding, Documentation, Metrics, Reengineering, Software Engineering Environment, Complexity Measurer, Cross Referencing Tool, Defect/Change Tracker, Redocumenter, Reformatter, Reverse Engineering, Size Measurer, Structure Checker

**Features:** SLOC Actuals

**Languages Supported:** C

**Configurations:** DG, HP/VMS, PC/MS-DOS, RISC 6000, Sun/VMS, UNIX/VMS, VAX/VMS

**Tool: DOCGEN/C**

Version: 3.6      Release Date: 7/01/94  
Number Sold: 20      Single User Price: \$3,800  
Report Date: 5/06/93      Report Updated: 10/31/94

**Vendor: Software Systems Design, Inc.**

POC: Dr. Thomas S. Radi  
Phone: 909-625-6147 Fax: 909-626-9667  
E-mail:  
Address: 3627 Padua Ave.  
Claremont, CA 91711

Evaluation copy available      Site license available

**Description:** The DOCGEN/C produce DoD-Std-2167 STLDD, SDDD, 2167A and 490 documents.

**Classification:** Documentation, Redocumenter

**Features:**

**Languages Supported:** C

**Configurations:** HP-UX, Sun OS, UNIX, VAX/VMS

**Tool: Document Generator (DocGen)**

Version: 3.6      Release Date: 3/01/92  
Number Sold: 2      Single User Price: (Contact Vendor)  
Report Date: 2/04/93      Report Updated: 6/30/94

**Vendor: Software Systems Design, Inc.**

POC: Dr. Thomas S. Radi  
Phone: 909-625-6147 Fax: 909-626-9667  
E-mail:  
Address: 3627 Padua Ave.  
Claremont, CA 91711

Evaluation copy available      Site license available

**Description:** DocGen generates documentation automatically for Ada programs. The resulting file is produced in ASCII. Information included: Inputs, Outputs, Local Data, Global Data, Interrupts, Exceptions, Calls, and Called-By.

**Classification:** Coding, Documentation, Reengineering, Cross Referencing Tool, Redocumenter

**Features:**

**Languages Supported:** Ada, C

**Configurations:** HP, PC/MS-DOS, RISC 6000, Sun/Sun OS, VAX/VMS

*Software Technology Support Center (STSC)*

**Tool: FORTRAN Reverse Eng & Document System (FREDoc)**

Version: 1.4      Release Date: 7/01/94  
Number Sold: 10+      Single User Price: \$4,000  
Report Date: 1/26/93      Report Updated: 10/20/94

Evaluation copy available      Site license available

**Vendor: Software Systems Design, Inc.**

POC: Dr. Thomas S. Radi  
Phone: 909-625-6147 Fax: 909-626-9667  
E-mail:  
Address: 3627 Padua Ave.  
Claremont, CA 91711

**Description:** The FREDoc tools give the ability to reverse engineer existing FORTRAN code and to understand the design. It helps make sure comment headers are correct and provides two ways of looking at the system-top level or detailed.

**Classification:** Coding, Documentation, Reengineering, Auditor, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** DG, HP/VMS, PC/MS-DOS, RISC 6000, Sun/VMS, UNIX/VMS, VAX/VMS

**Tool: GrafBrowse**

Version: 2.3      Release Date: 2/01/92  
Number Sold: 20      Single User Price: \$5,000+  
Report Date: 6/28/93      Report Updated: 7/01/94

Evaluation copy available      Site license available

**Vendor: Software Systems Design, Inc.**

POC: Dr. Thomas S. Radi  
Phone: 909-625-6147 Fax: 909-626-9667  
E-mail:  
Address: 3627 Padua Ave.  
Claremont, CA 91711

**Description:** GrafBrowse is a graphical reverse engineering system and interactive browser for Ada, C, and FORTRAN source codes and design. It analyzes codes for certain metrics.

**Classification:** Design, Coding, Documentation, Quality Assurance, Metrics, Reengineering, Complexity Measurer, Cross Referencing Tool, Reverse Engineering, Size Measurer

**Features:** SLOC Actuals

**Languages Supported:** Ada, C, FORTRAN

**Configurations:** DG, HP/VMS, PC/MS-DOS, RISC 6000, Sun/VMS, UNIX/VMS, VAX/VMS

**Tool: RevAda/StP**

Version:      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 4/16/92      Report Updated: 2/27/95

**Vendor: Software Systems Design, Inc.**

POC: Technical Support  
Phone: 909-625-6147 Fax: 909-626-9667  
E-mail:  
Address: 3627 Padua Ave.  
Claremont, CA 91711

**Description:** RevAda/StP aids in converting from Ada to STP's OOSD editor. It generates OOSD/Ada, and DSE Diagrams from Ada source code. It automatically creates DSE diagrams for all Ada types. Compatible with ADADL Ada Program Design Language, automatically creates annotations within each OOSD/Ada diagram which: describe the design using Ada/PDL if used in source code, provides traceability from Ada and Ada/PDL to OOSD/Ada. It Automatically creates annotations for: Pseudo-code (PDL), executable Ada code and comments, and special comments to describe/define each entity.

**Classification:** Coding, Reengineering, Capture-Replay Tool, Code Generator, Restructurer, Reverse Engineering

**Features:**

**Languages Supported:** Ada

**Configurations:** Sun/Sun OS

*Appendix B: Product Sheets by Vendor Name*

**Tool: JOVIAL Reverse Engineering Toolset (JRETS)**

Version:                      Release Date: 2/01/93  
Number Sold:    -              Single User Price: \$Free to DoD  
Report Date: 3/08/93      Report Updated: 7/01/94  
Training available

**Vendor: Software Technology Support Center**

POC: John Balaban  
Phone: 801-777-9731 Fax: 801-777-8069  
E-mail:  
Address: 00-ALC/TISEC, STSC, 7278 4th St.  
Hill AFB, UT 84056

**Description:** JRETS is used to capture design information from JOVIAL (J73) source code and display that information on CADRE's TEAMWORK case tool. The tool provides data flow diagrams, structure charts, control flowcharts, cyclomatic complexity, etc.

**Classification:** Coding, Reengineering, Complexity Measurer, Retargeting, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** JOVIAL

**Configurations:** Sun/SPARC

**Tool: Excell 930**

Version:                      Release Date:  
Number Sold:    -              Single User Price: (Contact Vendor)  
Report Date: 12/15/93      Report Updated: 7/01/94  
Training available  
Site license available

**Vendor: Step Engineering**

POC: Sales  
Phone: 800-346-6275 Fax: 415-691-9099  
E-mail: sales@inmark.com  
Address: 2065 Landings Dr.  
Mountain View, CA 94043

**Description:** Excell 930 is a hardware/software debugging environment for 930 SPARClite processors. It can be overhosed with a source-level debugger/programmers development environment and/or compiler tools for a complete, integrated development environment.

**Classification:** System Simulation, Requirements Trace, Design, Coding, Requirements Analysis, Testing, Reengineering, Code Generator, Cross Referencing Tool, Debugger, Emulator, Retargeting, Structure Checker

**Features:**

**Languages Supported:** Assembler, C, C++

**Configurations:** PC, Sun

**Tool: MAXIM**

Version:                      Release Date:  
Number Sold:    -              Single User Price: \$499  
Report Date: 2/06/95      Report Updated: 3/27/95

**Vendor: Sterling Software**

POC: Technical Support  
Phone: 214-891-8600 Fax:  
E-mail:  
Address: 8080 North Central Expressway, Suite 100  
Dallas, TX 75206-1895

**Description:** MAXIM is diagramming tools that let you map processes, organizations that are responsible for them, and the information that flows between them. It stores information about the elements of your diagrams, relationships between organizational units, or the possible outcome of a decision.

**Classification:** Design, Reengineering, Business Process Reengineering

**Features:**

**Languages Supported:**

**Configurations:** IBM/Windows

*Software Technology Support Center (STSC)*

**Tool: VISION:NorthStar**

Version: 2.0      Release Date: 11/01/94  
Number Sold: -      Single User Price: \$24,000  
Report Date: 2/06/95      Report Updated: 2/28/95  
Training available  
Site license available

**Vendor: Sterling Software**

POC: Technical Support  
Phone: 214-891-8600 Fax:  
E-mail:  
Address: 8080 North Central Expressway, Suite 100  
Dallas, TX 75206-1895

**Description:** VISION:NorthStar is a complete redevelopment solution that lets you move your legacy systems into the model-based CASE environment. This workstation-based application recovery tool automates the reverse engineering process, so you can re-use proven logic, logic.

**Classification:** Reengineering, Data Name Rationalizer, Data Reengineering, Reverse Engineering

**Features:** Impact analysis of data

**Languages Supported:** BMS, CICS, COBOL, DB2, VSAM

**Configurations:** MS-DOS, OS/2, Windows

**Tool: ANSWER:Architect**

Version: 4.2      Release Date: 1/01/92  
Number Sold: 2,500+      Single User Price: \$2,245+  
Report Date: 12/29/92      Report Updated: 10/18/94  
Training available      Newsletter Available  
Evaluation copy available

**Vendor: Sterling Software, Inc.**

POC: John Misurek  
Phone: 818-716-1616 Fax: 818-716-5998  
E-mail:  
Address: 5900 Canoga Ave., PO Box 4237  
Woodland Hills, CA 91367

**Description:** ANSWER:Architect is a comprehensive CASE workbook for strategic planning, analysis and design. Its features include data flow diagrams, structure charts, state transition diagrams, screen and report layouts and organization charts.

**Classification:** System Simulation, Design, Requirements Analysis, Documentation, Reengineering, Software Engineering Environment, Business Process Reengineering, Forward Engineering

**Features:**

**Languages Supported:** --

**Configurations:** PC/Window 3.0

**Tool: ANSWER:Zim**

Version: 4.5      Release Date:  
Number Sold: -      Single User Price: \$1,400-81,000  
Report Date: 12/29/92      Report Updated: 6/30/94  
Training available      Newsletter Available  
Evaluation copy available      Site license available

**Vendor: Sterling Software, Inc.**

POC: Shelia Edwards  
Phone: 818-716-1616 Fax: 818-716-5998  
E-mail:  
Address: 5900 Canoga Ave., PO Box 4237  
Woodland Hills, CA 91367

**Description:** ANSWER:Zim lets organizations prototype and develop client/server applications rapidly and with simplicity. Its facilities include reporting, database access, forms/window manipulation, import/export, code generators and templates.

**Classification:** System Simulation, Design, Coding, Database, Software Engineering Environment, Compiler, Retargeting

**Features:**

**Languages Supported:** ADW Files

**Configurations:** OS/2, PC/MS-DOS, UNIX, VAX/VMS



*Appendix B: Product Sheets by Vendor Name*

**Tool: VISION:Legacy**

Version: 5.0      Release Date:  
Number Sold: 300      Single User Price: (Contact Vendor)  
Report Date: 5/07/92      Report Updated: 2/27/95  
Training available

Site license available

**Vendor: Sterling Software, Inc.**

POC: Technical Support  
Phone: 818-716-1616 Fax: 818-716-5998  
E-mail:  
Address: 5900 Canoga Ave., PO Box 4237  
Woodland Hills, CA 91367

**Description:** VISION: Legacy improves leverages your investment in existing applications through productivity-enhancing tools for program maintenance, testing, quality assurance and portability.

**Classification:** Coding, Testing, Documentation, Quality Assurance, Reengineering, Reuse, Complexity Measurer, Cross Referencing Tool, Defect/Change Tracker, Redocumenter, Reliability Analyzer, Restructurer, Size Measurer, Structure Checker

**Features:** SLOC Actuals

**Languages Supported:** COBOL

**Configurations:** MVS, OS/2

**Tool: ANSWER:Cabe**

Version:      Release Date:  
Number Sold:      Single User Price: (Contact Vendor)  
Report Date: 1/05/95      Report Updated: 1/05/95

Site license available

**Vendor: Sterling Software-Development Division**

POC: Technical Support  
Phone: 800-444-8575 Fax: 404-364-9454  
E-mail:  
Address: 3340 Peachtree Rd., N.E.  
Atlanta, GA 30326

**Description:** ANSWER:Cabe provides advanced business modeling and reengineering functions. It is a fully integrated graphics and repository tool based on IBM Line of Visibility Engineering Methodology (LOVEM).

**Classification:** Documentation, Reengineering, Business Process Reengineering, Reverse Engineering

**Features:**

**Languages Supported:**

**Configurations:** PC/Windows

**Tool: Deft CASE System**

Version: 4.2      Release Date: 1/01/92  
Number Sold: 600+      Single User Price: \$4,500+  
Report Date: 5/06/93      Report Updated: 5/25/94  
Training available      Newsletter Available

**Vendor: Sybase, Inc.**

POC: Steve Hershberg  
Phone: 513-848-4700 Fax: 513-848-4729  
E-mail:  
Address: 1930 North Lakeman, Suite 109  
Bellbrook, OH 45305

**Description:** Deft allows RDBMS engineers to design systems using the Mac. interface. It supports data and process modelling, via ERD, DFD and PSD tools. Generates SQL and screen forms.

**Classification:** Design, Requirements Analysis, Documentation, Reengineering, Database, Data Reengineering

**Features:**

**Languages Supported:** SQL

**Configurations:** Mac/Mac OS

*Software Technology Support Center (STSC)*

**Tool:** case/ap

Version: -                      Release Date:  
Number Sold: -                Single User Price: (Contact Vendor)  
Report Date: 1/04/93        Report Updated: 5/25/94

**Vendor:** Synthesis Computer Technologies, Inc.

POC: Technical Support  
Phone: 310-494-4069 Fax: 310-494-9033  
E-mail:  
Address: 5199 E. Coast Hwy., Ste. 601  
Long Beach, CA 90804

**Description:** An integrated CASE system that generates complete COBOL-based applications from simple high-level specifications.

**Classification:** Reengineering, Forward Engineering

**Features:**

**Languages Supported:** COBOL

**Configurations:** VAX/VMS

**Tool:** MicroSTEP

Version: 1.6                      Release Date: 3/01/92  
Number Sold: -                Single User Price: \$895  
Report Date: 1/26/93        Report Updated: 7/05/94

**Vendor:** SYSCORP Intl.

POC: Holly Nash  
Phone: 800-727-7837 Fax: 512-338-5810  
E-mail:  
Address: 9430 Research Blvd., Echelon IV, Ste. 300  
Austin, TX 78759

**Description:** MicroSTEP is a "visual programming" application. A supports design validation and quality domain documentation.

**Classification:** Design, Requirements Analysis, Reengineering, Defect/Change Tracker, Forward Engineering, Run-Time Error Checker

**Features:**

**Languages Supported:** C

**Configurations:** PC/MS-DOS

**Tool:** AS/SET

Version: -                      Release Date:  
Number Sold: -                Single User Price: (Contact Vendor)  
Report Date: 3/01/93        Report Updated: 5/24/94

**Vendor:** System Software Associates, Inc.

POC: Technical Support  
Phone: 312-641-2900 Fax: 312-641-3737  
E-mail:  
Address: 500 West Madison  
Chicago, IL 60661

**Description:** AS/SET is a family of integrated CASE tools and covers the entire application development cycle. The set consists of intelligent workstations, network management, a reverse engineering capability, cooperative processing, and rapid application development

**Classification:** Design, Coding, Documentation, Reengineering, Reuse, Software Engineering Environment, Case-Based Reasoning, Reverse Engineering

**Features:**

**Languages Supported:** C, RPG

**Configurations:** AS/400

*Appendix B: Product Sheets by Vendor Name*

**Tool: DOSSIER BROWSE**

Version: 2.1.3      Release Date: 6/01/91  
Number Sold: 400      Single User Price: \$3,750  
Report Date: 12/22/93      Report Updated: 6/30/94

Evaluation copy available      Site license available

**Vendor: Systemware Laboratories, Inc.**

POC: Technical Support  
Phone: 800-727-7837 Fax: 512-338-5810  
E-mail:  
Address: 9430 Research Blvd., Echelon IV, Ste. 300  
Austin, TX 78759

**Description:** Allows any VSE library or ICCF member to be accessed interactively, or in batch mode for string searching of members or directories, JCL expansion and analysis, and examining any portion of a disk file or internal memory.

**Classification:** System Simulation, Coding, Documentation, Quality Assurance, Reengineering, Cross Referencing Tool, Functional Simulator, Redocumenter, Syntax & Semantics Analyzer

**Features:**

**Languages Supported:** --

**Configurations:** ESA, VSE

**Tool: DOSSIER PROVE**

Version: 2.1.3      Release Date: 6/01/91  
Number Sold: 1,400      Single User Price: \$3,750  
Report Date: 1/04/93      Report Updated: 6/30/94

Evaluation copy available      Site license available

**Vendor: Systemware Laboratories, Inc.**

POC: Technical Support  
Phone: 800-727-7837 Fax: 512-338-5810  
E-mail:  
Address: 9430 Research Blvd., Echelon IV, Ste. 300  
Austin, TX 78759

**Description:** Analyzes program object code of phases and modules residing on use libraries and extracts relevant information. Prepares cross-reference reports and performs comparison of object code from consecutive analysis.

**Classification:** Requirements Trace, Coding, Requirements Analysis, Documentation, Quality Assurance, Reengineering, Auditor, Comparator, Cross Referencing Tool, Defect/Change Tracker, Redocumenter, Reverse Engineering

**Features:**

**Languages Supported:** All

**Configurations:** ESA, VSE

**Tool: Ada\_Z**

Version: --      Release Date:  
Number Sold: --      Single User Price: (Contact Vendor)  
Report Date: 2/08/93      Report Updated:

**Vendor: TASC**

POC: Tech. Support (TASC)  
Phone: 617-942-2000 Fax: --  
E-mail:  
Address: 55 Walkers Brook Dr.  
Reading, MA 01867

**Description:** Ada\_Z features a highly integrated set of tools that generates Ada code from design information.

**Classification:** Coding, Reengineering, Code Generator, Forward Engineering

**Features:**

**Languages Supported:** Ada

**Configurations:** VAX/VMS

*Software Technology Support Center (STSC)*

**Tool: BPSimulator**

Version:                      Release Date:  
Number Sold: -              Single User Price: (Contact Vendor)  
Report Date: 1/05/95      Report Updated: 1/05/95  
Training available

**Vendor: Technology Economics, Inc.**

POC: Technical Support  
Phone: 301-601-8778 Fax: 301-984-0816  
E-mail:  
Address: 11212 Stephalee Lane, Ste.100  
Rockville, MD 20852

**Description:** BPSimulator test ideas and assumptions about the cost, quality and time performance of all activities in a process.

**Classification:** Reengineering, Business Process Reengineering

**Features:**

**Languages Supported:**

**Configurations:** UNIX

**Tool: TeleUSE**

Version: 2.0.1              Release Date:  
Number Sold: -              Single User Price: \$7,500  
Report Date: 2/04/93      Report Updated: 7/07/94  
Training available              Newsletter Available  
Evaluation copy available

**Vendor: Telesoft.(Owned by Alsys)**

POC: Technical Support  
Phone: 619-457-2700 Fax: 619-452-1334  
E-mail:  
Address: 5959 Cornerstone Court W.  
San Diego, CA 92121-9891

**Description:** TeleUSE is an editor tool for the MOTIF user interface development. It creates MOTIF user interfaces for UNIX applications. It allows rapid prototyping of the visual and dynamic aspects of the interface. Components are created and re-used for other interfaces.

**Classification:** System Simulation, Design, Coding, Testing, Documentation, Reengineering, Reuse, Database, Debugger, Forward Engineering, Redocumenter, Screen Painter

**Features:**

**Languages Supported:** Ada, COBOL, Pascal

**Configurations:** DEC, DG, AViiON, hp9000/(400, 700), Apollo, IBM RS/6000, SUN-SPARC system, SUN-3

**Tool: Current Systems Analysis (CSA)**

Version:                      Release Date:  
Number Sold: -              Single User Price: (Contact Vendor)  
Report Date: 4/06/93      Report Updated: 2/06/95

**Vendor: Texas Instruments**

POC: Technical Support  
Phone: 800-336-5236 Fax: 214-575-5383  
E-mail:  
Address: 6620 Chase Oaks Blvd., M/s 8519  
Plano, TX 75023

**Description:** CSA inventories existing system components, then captures, organizes and validates them in CSA's Active Component Dictionary (ADC). The CSA's two major outputs are: Generating analytical reports and importing ADC information into the IEF Encyclopedia. CSA uses ACD and its comprehensive information model to store and manage the necessary cross-system information to support these functions.

**Classification:** Requirements Analysis, Reengineering, Data Reengineering, Forward Engineering, Retargeting

**Features:**

**Languages Supported:** BMS, CICS, COBOL, DB2, IMS, SQL, VSAM

**Configurations:** IBM/MVS

*Appendix B: Product Sheets by Vendor Name*

**Tool: Current Systems Modification (CSM)**

**Vendor: Texas Instruments**

Version:	Release Date:	POC:	Technical Support
Number Sold: -	Single User Price: (Contact Vendor)	Phone:	800-336-5236 Fax: 214-575-5383
Report Date: 4/06/93	Report Updated: 2/06/95	E-mail:	
		Address:	6620 Chase Oaks Blvd., M/s 8519 Plano, TX 75023

**Description:** CSM enables cross-system modification, rationalization, migration, and regeneration of existing system components, while CSA supports the analysis of legacy systems.

**Classification:** Project Management, Reuse, Data Reengineering, Forward Engineering, Retargeting

**Features:**

**Languages Supported:** -

**Configurations:** DB2, IMS/DC, SQL, VMS, IBM/MVS

**Tool: Transition Engineering Facility (TEF)**

**Vendor: Texas Instruments**

Version: 1.2	Release Date: 1/01/93	POC:	John Grant
Number Sold: -	Single User Price: (Contact Vendor)	Phone:	800-527-3500 Fax: 214-575-5383
Report Date: 4/06/93	Report Updated: 8/03/93	E-mail:	
Training available	Newsletter Available	Address:	6620 Chase Oaks Blvd., M/s 8519 Plano, TX 75023
Evaluation copy available			

**Description:** TEF provides individual parsers to create the necessary objects for input into an IEF workstation model. The information may be moved into IEF individually or added to the information passed from ARRAE via the Encyclopedia Import Facility.

**Classification:** Reengineering, Data Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** Ada, CICS, COBOL, IMS, VSAM

**Configurations:** IBM/OS

**Tool: Turbo-to-C Tools**

**Vendor: TGL, Inc.**

Version: 3	Release Date: 1/01/86	POC:	Ted Lewis
Number Sold: 250	Single User Price: \$7,500	Phone:	503-745-7882 Fax: 503-745-7576
Report Date: 3/01/93	Report Updated: 5/26/94	E-mail:	
		Address:	27096 Forest Springs Ln. Corvallis, OR 97330
	Site license available		

**Description:** Turbo-to-C Tools translates Turbo Pascal source code program into different forms of C source code, i.e. Turbo C, Microsoft C, etc. Package includes preprocessor, converter, libraries, and compatible.

**Classification:** Reengineering, Reuse, Reusable Components Identifier, Source Code Translator

**Features:**

**Languages Supported:** Pascal

**Configurations:** PC/MS-DOS, UNIX

*Software Technology Support Center (STSC)*

**Tool: WinScope**

Version: 1.1      Release Date: 11/15/93  
Number Sold: 1000      Single User Price: \$149  
Report Date: 12/06/93      Report Updated: 7/06/94  
                                 Newsletter Available  
                                 Site license available

**Vendor: The Periscope Co., Inc.**

POC: Dan Navarra  
Phone: 404-875-8080 Fax: 404-872-1973  
E-mail:  
Address: 1475 Peachtree St. Ste.100  
                 Atlanta, GA 30309

**Description:** WinScope is both an API-level debugger and a multi-faceted Windows discovery tool. Designed to take the mystery out of Windows application development. WinScope enables developers to debug and optimize their application.

**Classification:** Coding, Testing, Reengineering, Software Engineering Environment, Debugger, Performance/Timing Analyzer, Reverse Engineering, Status Displayer

**Features:**

**Languages Supported:** All

**Configurations:** PC/Windows

**Tool: Activation Framework**

Version: -      Release Date: 1/01/92  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 2/08/93      Report Updated: 5/23/94

**Vendor: The Real-Time Intelligent Systems Corp.**

POC: Technical Support  
Phone: 508-250-4633 Fax: 508-256-8132  
E-mail:  
Address: 26 Worthen St.  
                 Chelmsford, MA 01824

**Description:** Activation Framework allows on-line knowledge based systems to be prototyped and developed quickly. It is able to be used on both small one-person projects as well as on a multi-person project.

**Classification:** Coding, Reengineering, X AI, Forward Engineering, Rule-Based Shell, Simulator

**Features:**

**Languages Supported:** --

**Configurations:**

**Tool: UNISET**

Version: -      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 12/30/92      Report Updated: 7/07/94

**Vendor: Unisys**

POC: Technical Support  
Phone: 313-972-7000 Fax: -  
E-mail:  
Address: 1 Unisys Place, P.O. Box 418  
                 Detroit, MI 48232

**Description:** UNISET is an integrated I-CASE toolset. It includes 6 modules: requirements spec tool (RST), structured design tool (SDT), source code generator (SCG), Ada design tool (ADT), automated module tester (AMT), and configuration management (CM).

**Classification:** Design, Coding, Requirements Analysis, Testing, Documentation, Configuration Management, Quality Assurance, Metrics, Reengineering, Software Engineering Environment, Capture-Replay Tool, Code Generator, Complexity Measurer, Coverage/Frequency Analyzer, Debugger, Forward Engineering, Test Execution Manager

**Features:**

**Languages Supported:** Ada, C, CMS-2, FORTRAN, Pascal

**Configurations:** Sun/Sun OS

*Appendix B: Product Sheets by Vendor Name*

**Tool: Integrity Programming Environment**

**Vendor: Vality Technology, Inc.**

Version:                      Release Date: 1/01/89  
Number Sold:    –              Single User Price: (Contact Vendor)  
Report Date: 9/07/94        Report Updated: 9/07/94

POC: Technical Support  
Phone: 617-338-0300 Fax: 617-338-0338  
E-mail:  
Address: 286 Congress St.  
Boston, MA 02210

**Description:** Data re-engineering tool that transforms large volumes of legacy data into record, timed information through pattern processing, lexical analysis and statistical matching.

**Classification:** Reengineering, Software Engineering Environment, Data Reengineering

**Features:**

**Languages Supported:** VSAM

**Configurations:** IBM/MVS

**Tool: DOCBUILDER**

**Vendor: Verilog, Inc.**

Version:    –                      Release Date:  
Number Sold:    –              Single User Price: (Contact Vendor)  
Report Date: 6/30/93        Report Updated: 5/26/94

POC: David E. Takacs  
Phone: 214-241-6595 Fax: 214-241-6594  
E-mail:  
Address: 3010 LBJ Freeway, Suite 900  
Dallas, TX 75234

**Description:** DOCBUILDER automatically produces and updates documentation throughout the development process by providing the means to standardize models.

**Classification:** Reengineering, Redocumenter

**Features:**

**Languages Supported:** –

**Configurations:**

**Tool: Logiscope**

**Vendor: Verilog, Inc.**

Version: 3.0                      Release Date: 1/01/90  
Number Sold: 2,000+        Single User Price: \$18,500  
Report Date: 12/30/92        Report Updated: 7/05/94  
Training available  
Evaluation copy available

POC: Wes Hair  
Phone: 800-424-3095 Fax: 214-241-6594  
E-mail:  
Address: 3010 LBJ Freeway, Suite 900  
Dallas, TX 75234

**Description:** Logiscope is an automated source code analyzer that provides complexity analysis and a dynamic analyzer that provide test coverage analysis. Logiscope calculates over 30 different metrics and supports over 35 languages on a variety of platforms. It does graphic test coverage analysis.

**Classification:** Coding, Requirements Analysis, Testing, Documentation, Quality Assurance, Metrics, Reengineering, Reuse, Auditor, Complexity Measurer, Coverage/Frequency Analyzer, Restructurer, Reverse Engineering, Size Measurer, Structure Checker

**Features:** SLOC Actual

**Languages Supported:** Ada, Assembler, Atlas, C, C++, CMS, COBOL, FORTRAN, Modula-2, Pascal, PDL, PL/1, PL/M

**Configurations:** UNIX, Apollo/Aegis, HP-9000/HP-UX, IBM/CMS, IBM/MVS, IBM/MVS/XA, IBM/VM, MicroVAX/MicroVMS, RISC 6000, Sun/Sun OS, VAX/ULTRIX, VAX/VMS

*Software Technology Support Center (STSC)*

**Tool: Logiscope Graphical Editor**

Version:                      Release Date:  
Number Sold:    -              Single User Price: (Contact Vendor)  
Report Date: 8/30/91        Report Updated: 6/07/94

**Vendor: Verilog, Inc.**

POC: Technical Support  
Phone: 800-424-3095 Fax: 214-241-6594  
E-mail:  
Address: 3010 LBJ Freeway, Ste. 900  
Dallas, TX 75234

**Description:** Increases the ability to analyze and expose information regarding the structure and behavior of an application.

**Classification:** Coding, Reengineering, Language Sensitive Editor, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:**

**Configurations:** Apollo, IBM, Sun/Sun OS, UNIX, VAX/VMS

**Tool: ESW Documentation**

Version: 2.0                      Release Date: 1/01/89  
Number Sold: 210+              Single User Price: \$16K - 76K  
Report Date: 7/19/93              Report Updated: 7/07/94  
Training available              Newsletter Available  
Site license available

**Vendor: ViaSoft, Inc.**

POC: Daniel T. Wiseman  
Phone: 303-740-6668 Fax: 303-740-6758  
E-mail:  
Address: 4600 S. Ulster St., Ste. 700  
Denver, CO 80237

**Description:** Cobol documentation facility that produces advanced lasting about logic and data check where fields are defined or modified.

**Classification:** Documentation, Redocumenter

**Features:**

**Languages Supported:** CICS, COBOL, COBOL II, DB2, IDMS

**Configurations:** OS/2, MVS/XA, MVS/ESA

**Tool: Existing Systems Workbench (ESW)**

Version: 1.0                      Release Date: 1/01/91  
Number Sold: -                      Single User Price: \$60,000-\$262,000  
Report Date: 2/04/93              Report Updated: 5/16/94  
Training available              Newsletter Available  
Evaluation copy available

**Vendor: ViaSoft, Inc.**

POC: Daniel T. Wiseman  
Phone: 303-740-6668 Fax: 303-740-6758  
E-mail:  
Address: 4600 S. Ulster St., Ste. 700  
Denver, CO 80237

**Description:** ESW is an integrated environment for maintaining, enhancing, reverse engineering, and reengineering existing COBOL programs. Consists of VIA/Insight, VIA/SmartEDIT, VIA/Renaissance for reengineering.

**Classification:** Coding, Testing, Documentation, Reengineering, Reuse, Debugger, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** COBOL

**Configurations:** IBM mainframes and compatibles, MVS-XA/ESA



*Appendix B: Product Sheets by Vendor Name*

**Tool: VIA/ALLIANCE**

Version: 1.0 Release Date: 6/01/94  
Number Sold: Single User Price: (Contact Vendor)  
Report Date: 12/06/93 Report Updated: 7/07/94  
Training available Newsletter Available  
Site license available

**Vendor: ViaSoft, Inc.**

POC: Daniel T. Wiseman  
Phone: 303-740-6668 Fax: 303-740-6758  
E-mail:  
Address: 4600 S. Ulster St., Ste. 700  
Denver, CO 80237

**Description:** VIA/ALLIANCE provides application-wide documentation and impact analysis capabilities tool for COBOL-based systems operating in an IBM MVS environment. It identifies impact of changes to a system component on other components of the system.

**Classification:** Design, Coding, Requirements Analysis, Documentation, Reengineering, Cross Referencing Tool, Data Reengineering, Redocumenter, Structure Checker

**Features:**

**Languages Supported:** CICS, COBOL, DB2, IDMS, JCL

**Configurations:** MVS/ESA, MVS/XA

**Tool: VIA/Insight**

Version: 3.5 Release Date: 1/01/86  
Number Sold: 400+ Single User Price: \$30,000-94,000  
Report Date: 12/30/92 Report Updated: 7/07/94  
Training available Newsletter Available  
Evaluation copy available

**Vendor: ViaSoft, Inc.**

POC: Daniel T. Wiseman  
Phone: 303-740-6668 Fax: 303-740-6758  
E-mail:  
Address: 4600 S. Ulster St., Ste. 700  
Denver, CO 80237

**Description:** VIA/Insight is a COBOL analysis tool that automates the understanding process for programmers. It captures and displays logic and data path information, giving programmers the data they need to understand and maintain existing programs.

**Classification:** Coding, Documentation, Quality Assurance, Reengineering, Reuse, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** COBOL, DBMS

**Configurations:** IBM/MVS

**Tool: VIA/Renaissance**

Version: 1.0 Release Date: 1/01/91  
Number Sold: 70+ Single User Price: \$28,000-120,000  
Report Date: 2/04/93 Report Updated: 7/07/94  
Training available Newsletter Available  
Evaluation copy available

**Vendor: ViaSoft, Inc.**

POC: Daniel T. Wiseman  
Phone: 303-740-6668 Fax: 303-740-6758  
E-mail:  
Address: 4600 S. Ulster St., Ste. 700  
Denver, CO 80237

**Description:** VIA/Renaissance is a reverse engineering product that provides for recovery and reuse of existing business applications that allows programmers to examine programs graphically or in source code form.

**Classification:** Coding, Reengineering, Reuse, Data Reengineering, Reverse Engineering, Structure Checker

**Features:**

**Languages Supported:** COBOL, DBMS

**Configurations:** IBM/MVS, MVS/ESA, MVS/XA

*Software Technology Support Center (STSC)*

**Tool: VIA/SmartDoc**

Version: 1.1      Release Date: 1/01/90  
Number Sold: 60+      Single User Price: \$15,000-47,500  
Report Date: 12/30/92      Report Updated: 5/16/94  
Training available      Newsletter Available  
Evaluation copy available

**Vendor: ViaSoft, Inc.**

POC: Daniel T. Wiseman  
Phone: 303-740-6668 Fax: 303-740-6758  
E-mail:  
Address: 4600 S. Ulster St., Ste. 700  
Denver, CO 80237

**Description:** VIA/SmartDoc is an intelligent documentation tool that fully understands COBOL programs. It automatically creates comprehensive program documentation as changes are made to the code.

**Classification:** Coding, Documentation, Quality Assurance, Reengineering, Redocumenter, Structure Checker

**Features:**

**Languages Supported:** COBOL

**Configurations:** IBM/MVS

**Tool: Recycle-SF**

Version:      Release Date:  
Number Sold: -      Single User Price: (Contact Vendor)  
Report Date: 8/05/93      Report Updated: 5/26/94

**Vendor: Virtual Software Factory Ltd.**

POC: Steven I. Lazerowich  
Phone: 703-318-1180 Fax: 703-318-1190  
E-mail:  
Address: 13873 Park Center Rd., Ste. 218  
Herndon, VA 22071

**Description:** The Recycle-SF family of solution products supports both reverse and reengineering. Within the recycle-ff product family, the products include: Recover and Reform.

**Classification:** Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** COBOL

**Configurations:**

**Tool: Recycle-SF/Recover**

Version:      Release Date: 7/01/94  
Number Sold:      Single User Price: (Contact Vendor)  
Report Date: 7/19/93      Report Updated: 7/14/94

**Vendor: Virtual Software Factory Ltd.**

POC: Technical Support  
Phone: 703-318-1180 Fax: 703-318-1190  
E-mail:  
Address: 13873 Park Center Rd., Ste. 218  
Herndon, VA 22071

**Description:** Recycle-SF/Recover, combines portions of existing legacy code with data definitions and job control information to derive graphical and textual views of application design and provide impact analysis reporting.

**Classification:** Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** CICS, COBOL, DB2

**Configurations:** AIX, OS/2, IBM/PS/2, Sun

*Appendix B: Product Sheets by Vendor Name*

**Tool: Recycle-SF/Repair**

Version:                      Release Date: 7/01/94  
Number Sold:                Single User Price: \$  
Report Date: 7/19/93       Report Updated: 7/14/94

**Vendor: Virtual Software Factory Ltd.**

POC: Technical Support  
Phone: 703-318-1180 Fax: 703-318-1190  
E-mail:  
Address: 13873 Park Center Rd., Ste. 218  
Herndon, VA 22071

**Description:** Recycle-SF/Repair, enables the set of RECOVERed application design representation to be edited and manipulated, including the generation of new application source code.

**Classification:** Reengineering, Code Generator, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** CICS, COBOL, DB2

**Configurations:** AIX, OS/2, IBM/PS/2, Sun

**Tool: VIEWS-SF**

Version:                      Release Date:  
Number Sold: -                Single User Price: (Contact Vendor)  
Report Date: 8/05/93       Report Updated: 5/26/94

**Vendor: Virtual Software Factory Ltd.**

POC: Steven I. Lazerowich  
Phone: 703-318-1180 Fax: 703-318-1190  
E-mail:  
Address: 13873 Park Center Rd., Ste. 218  
Herndon, VA 22071

**Description:** The VIEWS-SF tool supports requirements modeling, real-time structured analysis, object oriented analysis and design, code generation, reverse engineering, configuration management and document publishing.

**Classification:** Documentation, Configuration Management, Reengineering, Forward Engineering, Reverse Engineering

**Features:**

**Languages Supported:** -

**Configurations:**

**Tool: Visible Analyst Workbench (VAW)**

Version: 5.3A                Release Date: 1/01/94  
Number Sold: -                Single User Price: \$2,795  
Report Date: 7/20/92       Report Updated: 10/31/94

**Vendor: Visible Systems Corp.**

POC: Technical Support  
Phone: 617-890-2273 Fax: 617-890-8909  
E-mail:  
Address: 950 Winter Street  
Waltham, MA 02154

**Description:** VAW supports all the workgroup activities to further enhance the operations of the development teams.

**Classification:** Reengineering, Code Generator, Redocumenter, Restructurer, Structure Checker

**Features:**

**Languages Supported:** C, COBOL, DB2, SQL

**Configurations:** UNIX, Window 3.0, PC/OS/2

*Software Technology Support Center (STSC)*

**Tool: Vitro Automated Structured Testing Tool (VASTT)**

Version: 8.1 Release Date:  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 8/04/92 Report Updated: 7/06/94  
Training available

**Vendor: Vitro Corp.**

POC: Brenda Mitchell  
Phone: 301-231-1113 Fax: 301-231-1233  
E-mail: mitchell@vitro.com  
Address: 14000 Georgia Ave.  
Silver Spring, MD 20906-2972

**Description:** VASTT reduces development and maintenance costs, results in higher software quality, and features evaluation of software complexity, testability and maintainability, and evaluation of software risk factors. It is available as a result of the service.

**Classification:** Design, Coding, Testing, Documentation, Quality Assurance, Metrics, Reengineering, Reuse, Complexity Measurer, Cross Referencing Tool, Data Reducer & Analyzer, Data Reengineering, Defect/Change Tracker, Forward Engineering, Maintainability Analyzer, Reliability Analyzer, Restructurer, Reverse Engineering, Size Measurer, Test Planner

**Features:** SLOC Actuals

**Languages Supported:** Ada, Assembler, C, CMS-2, COBOL, FORTRAN, JOVIAL, Pascal

**Configurations:** Sun/Sun OS, VAX/VMS

**Tool: STARK**

Version: 1.2 Release Date: 11/01/94  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 10/28/93 Report Updated: 10/31/94  
Training available

**Vendor: VSS, Inc.**

POC: Phil Radcliffe  
Phone: 703-369-1531 Fax: -  
E-mail:  
Address: P.O.Box: 1593  
Manassas, VA 22110

**Description:** STARK analyzes the source code in a complete application suite including JCL. Translate OS COBOL or PL/I to COBOL II (MicroFocus COBOL).

**Classification:** Coding, Documentation, Reengineering, Forward Engineering, Source Code Translator

**Features:**

**Languages Supported:** COBOL, COBOL II

**Configurations:** PC/Windows

**Tool: Visual Interactive FORtran (VIFOR)**

Version: Release Date: 1/01/93  
Number Sold: - Single User Price: (Contact Vendor)  
Report Date: 4/28/94 Report Updated: 4/28/94

**Vendor: Wayne State University**

POC: Vaclav Rajlich  
Phone: 313-577-5423 Fax: 313-577-6868  
E-mail: vtr@cs.wayne.edu  
Address: Department of Computer Science  
Detroit, MI 48202

**Description:** VIFOR contains transformation tools for both directions, from code to visual form and from visual form to skeletons of code. This makes it suitable for reverse engineering and for maintenance of existing code.

**Classification:** Reengineering, Reverse Engineering

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** Sun

*Appendix B: Product Sheets by Vendor Name*

**Tool: Technical Systems Engineering Environ. (TSEE)**

**Vendor: Westmount Technology bv**

Version: 2.1	Release Date: 1/01/92	POC: Technical Support
Number Sold: 50+	Single User Price: (Contact Vendor)	Phone: 818-597-9119 Fax: 818-706-9924
Report Date: 12/30/92	Report Updated: 5/26/94	E-mail:
Training available	Newsletter Available	Address: 5655 Lindero Canyon Rd., Ste. 521
Evaluation copy available	Site license available	Westlake Village, CA 91362

**Description:** TSEE is a Technical Systems Development CASE tool with an Automatic C code generator. It supports XWindows/Motif.

**Classification:** Testing, Reengineering, Code Generator, Forward Engineering, Reusable Components Identifier

**Features:**

**Languages Supported:** C

**Configurations:** Apollo/UNIX, DEC/UNIX, DEC/VMS, HP/UNIX, Pyramid/UNIX, RISC 6000/UNIX, Sequent/UNIX, Sun/UNIX

**Tool: Information Systems Engineering Env. (ISEE)**

**Vendor: Westmount USA, Inc.**

Version: 3.0	Release Date: 6/01/93	POC: Bob Carter
Number Sold: 2500+	Single User Price: (Contact Vendor)	Phone: 703-875-8799 Fax: 703-527-5709
Report Date: 1/07/93	Report Updated: 7/01/94	E-mail: boca@wmtom
Training available	Newsletter Available	Address: 1555 Wilson Blvd., Ste. 300
Evaluation copy available	Site license available	Arlington, VA 22209

**Description:** ISEE is a CASE environment for developing information systems. ISEE provides a truly integrated, code generation solution for target RDBMS, Informix, Ingres, Sybase, Oracle, and Unify.

**Classification:** Design, Coding, Requirements Analysis, Testing, Documentation, Configuration Management, Quality Assurance, Reengineering, Reuse, Database, Software Engineering Environment, Code Generator, Data Reengineering, Forward Engineering, Redocumenter, Reverse Engineering

**Features:**

**Languages Supported:** C, C++

**Configurations:** MS-DOS, UNIX, VMS

**Tool: DATATEC-DS**

**Vendor: XA Systems Corp.**

Version: -	Release Date:	POC: Technical Support
Number Sold: -	Single User Price: (Contact Vendor)	Phone: 800-344-9223 Fax: 408-395-1800
Report Date: 1/05/93	Report Updated: 6/30/94	E-mail:
		Address: 983 University Ave.
		Los Gatos, CA 95030

**Description:** The DATATEC-DS is designed to analyze and standardize inconsistent data definitions through a methodology and automated tools. It provides tracing capabilities, impact analysis, formatting and re-formatting capabilities, and more.

**Classification:** Coding, Reengineering, Cross Referencing Tool, Reformatter, Redocumenter

**Features:**

**Languages Supported:** FORTRAN

**Configurations:** IBM/MVS

*Software Technology Support Center (STSC)*

**Tool: Xinotech Language Translator (XLT)**

Version: – Release Date:  
Number Sold: – Single User Price: (Contact Vendor)  
Report Date: 3/01/93 Report Updated: 5/31/94

**Vendor: Xinotech Research, Inc.**

POC: Katherine Myers  
Phone: 703-875-8799 Fax: 703-527-5709  
E-mail: boca@wmton  
Address: 1555 Wilson Blvd., Ste. 300  
Arlington, VA 22209

**Description:** The Xinotech Language Translator is a language-independent tool for the automatic translation of Pascal, CMS-2 and Jovial to Ada.

**Classification:** Reengineering, Source Code Translator

**Features:**

**Languages Supported:** Ada, CMS-2, FORTRAN, JOVIAL, Pascal

**Configurations:** Apollo/UNIX, HP/UNIX, Mac/Mac OS, PC/MS-DOS, VAX/VMS

**Tool: Xinotech Program Composer**

Version: 2.0 Release Date: 10/01/92  
Number Sold: – Single User Price: \$2,250-3,000  
Report Date: 3/01/93 Report Updated: 7/28/94  
Training available

**Vendor: Xinotech Research, Inc.**

POC: Katherine Myers  
Phone: 703-875-8799 Fax: 703-527-5709  
E-mail: boca@wmton  
Address: 1555 Wilson Blvd., Ste. 300  
Arlington, VA 22209

**Description:** The Composer is an interactive productivity tool for constructing programs that enforces programming standards while allowing individuality, prevents syntax errors reducing compiler turnaround time, and improves speed of learning. Translate languages to Ada

**Classification:** Coding, Reengineering, Software Engineering Environment, Case-Based Reasoning, Forward Engineering, Redocumenter, Source Code Translator

**Features:**

**Languages Supported:** Ada, CMS-2, COBOL, JOVIAL, Modula-2, Pascal, SQL

**Configurations:** Apollo/UNIX, DEC, HP/UNIX, Mac/Mac OS, PC, PC/MS-DOS, Sun, UNIX, VAX/VMS